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Christmas

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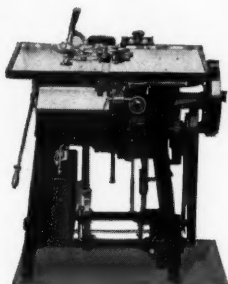
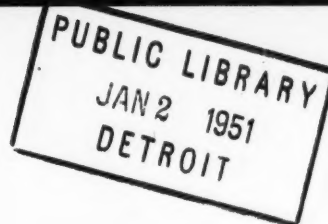


LEWIS ROBERTS, INC.
NEWARK 5, NEW JERSEY • BRANCHES AND DISTRIBUTORS IN 20 CITIES

The **LUDLOW**

All-Slug System of Composition

provides the most efficient and economical method of producing hand-set, slug-cast job and display composition in a wide variety of typefaces for printers and publishers



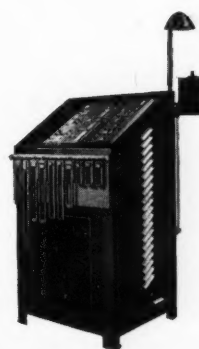
The Ludlow produces quality slugline composition from 4-point to 96-point; figures and alphabets up to 240-point, cast individually lengthwise on the slug.



The Ludlow Supersurfacers trims a micrometric skin-cut off the surface of Ludlow typeface slugs fed through it. This facilitates quality printing on any paper stock.



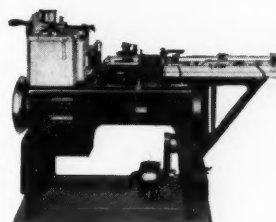
The Ludlow Standard Angle-Top Matrix Cabinet will meet most composing room requirements. Cabinet contains twenty cases, either right or left-hand pull.



The Ludlow Universal Matrix Cabinet contains twenty cases and accommodates all sizes of matrix fonts in normal case arrangement in right or left-hand pull.



The Ludlow Shell-Hi Slug Shear removes the Ludlow slug-head from the shank, converting it into a one-line plate to use with shell-cast stereotypes and for changes.



The Elrod provides leads, slugs, rule and base material ranging from 1-pt. to 36-pt. in thickness. Elrod material is produced as one continuous strip of metal.

LUDLOW TYPOGRAPH COMPANY 2032 Clybourn Avenue, Chicago 14

Set in members of the Ludlow Tempo family

Published monthly by Maclean-Hunter Publishing Corporation, 309 West Jackson Boulevard, Chicago 6, Illinois. Subscription, \$4.00 a year in advance; single copies, 40 cents. (Send Canadian funds—\$4.50 a year; single copy, 45 cents—to The Inland Printer, Terminal A. P. O. Box 100, Toronto.) Foreign \$10.00 a year; three years, \$20.00. Entered as second-class matter, June 25, 1885 at the Post Office at Chicago, Illinois, under Act of March 3, 1879. Additional second-class entry at Lafayette, Indiana, under date of April 30, 1948. Copyrighted, 1950, Maclean-Hunter Publishing Corporation.

WESTON

THE NAME

TO REMEMBER in

Fine

BOND

Papers



**EXTRA NO. 1, 100% NEW RAG
OLD HAMPSHIRE BOND**

100% NEW RAG
DEFIANCE BOND
TITAN BOND

75% NEW RAG
HOLMESDALE BOND

50% NEW RAG
WINCHESTER BOND
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25% NEW RAG
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Also Makers of a Complete Line of New Rag

LEDGERS • INDEX BRISTOLS • SPECIALTIES

BYRON WESTON COMPANY • DALTON • MASSACHUSETTS

Makers of Papers for Business Records Since 1863

YOUR BUSINESS RATES A REAL CHRISTMAS PRESENT

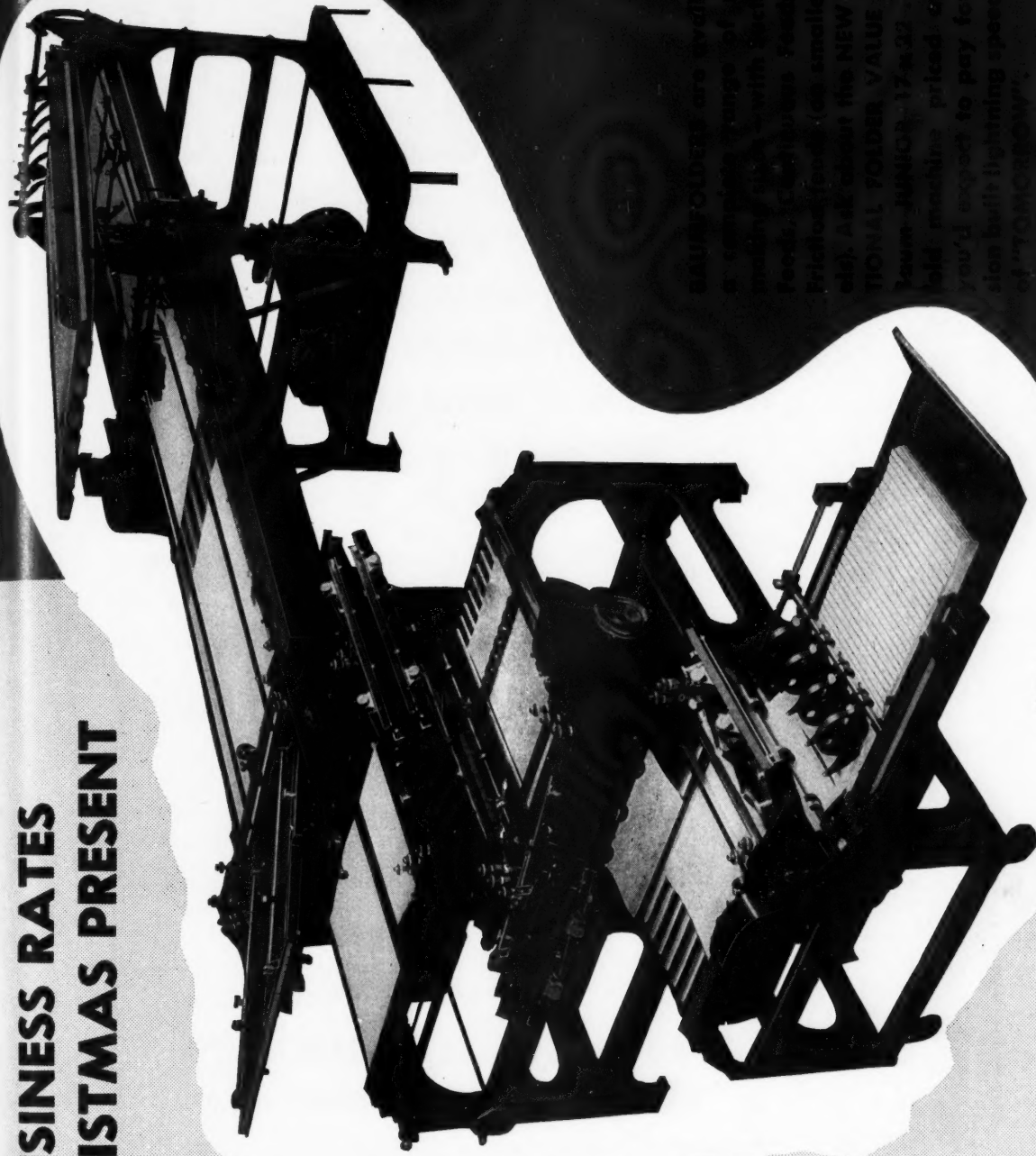
**30 x 46... 60
BAUMFOLDER**

**WORLD'S FINEST
FASTEST
MOST VERSATILE**

A real profit-maker —
the most versatile
precision-built life-
time heavy-duty folder
ever designed.

Four parallel folds, then
five parallels at right
angles, then
four parallel folds at right
angles, then
two parallel folds

SELECTIVITY OF FIFTEEN FOLDING
PLATES, any combination of which
can be used for the UNUSUAL jobs
... for instance map folding.



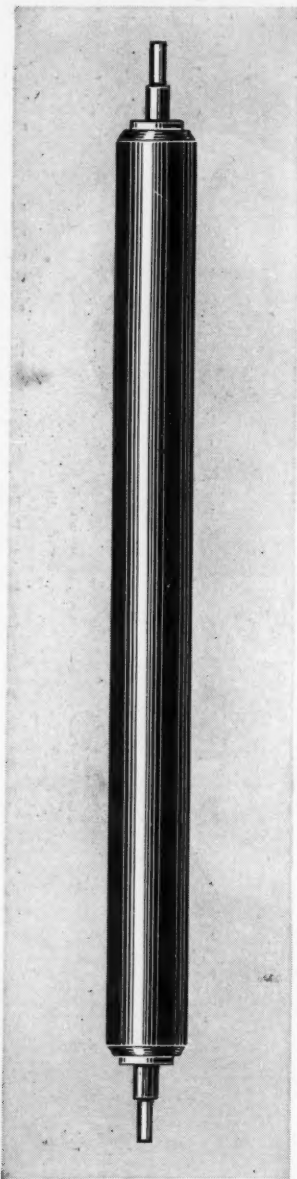
BAUMFOLDERS are available in a wide range of capacities from 17 to 22 ft. x 32 in. with automatic feeding, cutting and feeding. Even smaller sizes are available. Add about the NEW SENSATIONAL FOLDER VALUE... the Baumfolder 17 x 32... One fold machine priced at \$1495 you'd expect to pay for production built lightning speed folder of "TOMCOW" type.

RUSSELL ERNEST

BAUM, INC. 615 CHESTNUT ST.
PHILADELPHIA 6, PA.

OVER ONE HUNDRED YEARS OF ROLLER MAKING

SAM'L BINGHAM'S SON MFG. CO.



Manufacturers of

RUBBER • NON-MELTABLE • FABRIC COVERED
ROTOGRAVURE • OFFSET
COMPOSITION • VARNISH-LACQUER • GRAINING

ROLLERS

WE ARE NOW MAKING
COMPOSITION ROLLERS

for

WINTER USE

SHIP YOUR OLD ROLLERS TO
THE FACTORY MOST CONVENIENT TO YOU

16 Modern Factories Serving Printers in 31 States

FACTORIES

ATLANTA 3	DES MOINES 2
CHICAGO 5	DETROIT 10
CLEVELAND 14	HOUSTON 6
DALLAS 1	INDIANAPOLIS 2

SAM'L BINGHAM'S SON MFG. CO.

MANUFACTURERS OF

PRINTERS' ROLLERS
LITHO-OFFSET ROLLERS

FACTORIES

KALAMAZOO 12	OKLAHOMA CITY 6
KANSAS CITY 6	PITTSBURGH 3
MINNEAPOLIS 15	ST. LOUIS 2
NASHVILLE 3	SPRINGFIELD, O.

Pacific Coast Sales Representative; THE CALIFORNIA INK CO., INC.

ARE YOU PASSING UP THE BIG PROFIT IN DIE CUTTING?

ACCURATE
STEEL DIE
CUTTING
JACKET

No longer is there any need to "by-pass" profitable die-cut business . . . or give-up parts of the profit by "farming out" die-cut jobs.

Not when Accurate makes die cutting so easy for you to do on the printing presses you now have.

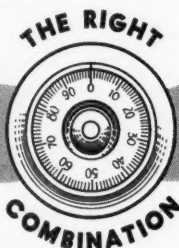
With Accurate Jackets you convert your platen or cylinder printing press to a cutting press and back again in a few minutes.

Our Die Cutters Manual tells you all you need to know about die cutting. *It's free, write for it.*

Accurate Cutting Dies last longer, simplify make-ready, assure accurate cut-outs.

ACCURATE
DIES

ACCURATE
JACKETS



Often users write to thank us for opening up their eyes to the terrific profit potential in Die Cutting. In these letters it is always interesting to note how they emphasize the fool-proof simplicity of die cutting the *Accurate Way* and the convenience of famous Accurate

SAME DAY SERVICE!

Dies Shipped Same Day Order is Received

ACCURATE®

STEEL RULE DIE MANUFACTURERS
22 - 24 West 21st Street, New York 10, N. Y. CHelsea 2-0860-1

Intelligent Service to the Printing Industry for Over 20 Years



looking for

**FASTER PRODUCTION?
SIMPLER OPERATION?
EASIER MAINTENANCE?**

Here's a reminder to check the features
of two big new Linotype developments!

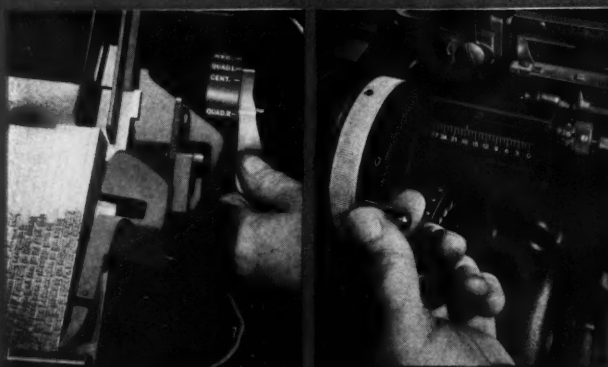
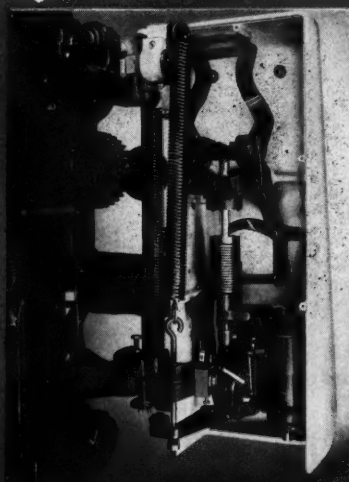
the new **ML QUADDER** applicable to existing machines

If you set quadded composition, you'll certainly want to look into the new ML Quadder. It offers you an opportunity to save as much as 50 to 60% of composing costs, depending on the work you do. Check the ML Quadder's advanced features. See how it has been designed with your needs in mind!



ADAPTABLE TO YOUR PRESENT EQUIPMENT! You can start pocketing new savings from your present line-casting machines as the sturdy, compact ML Quadder operates on practically any machine in use. Installed outside the casting area, the quadder does not interfere with the Mohr Line-Saw or other Linotype accessories.

EASY TO MAINTAIN! The simple mechanism is completely accessible for cleaning and lubricating when the back panel is removed—without opening or dropping the vise. No adjustments to keep checking—the quadder is factory-set and parts are designed to compensate for wear.



EASY TO OPERATE! The new ML Quadder quads left, right and centers, or is made inoperative for regular Linotype operation at the flip of a lever conveniently located between galley and keyboard. A new left-hand vise jaw change operated by a handwheel and micrometer knob make it easy to adjust the left-hand vise jaw for any measure in full cms or points.

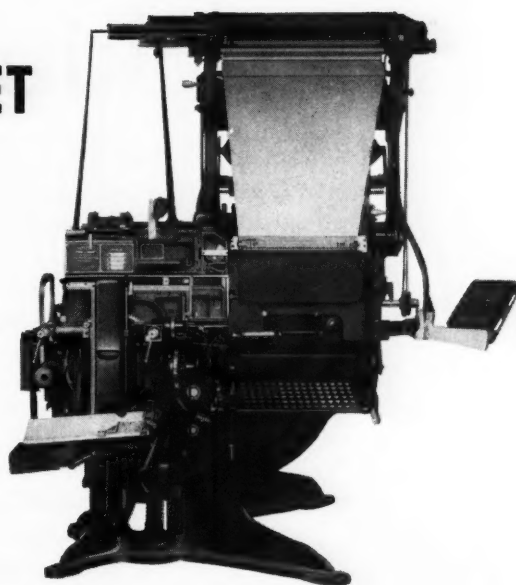
EXTRA SAFETY BUILT IN! In addition to the usual right-hand safety, a new electrical safety has been applied to the left-hand vise jaw which prevents the line from casting if the contact button is not compressed by a line of matrices. Movement of the jaws is smooth and positive.

the brand new **BLUE STREAK COMET**

Whether the answer to your composing-room costs is higher production or lower maintenance—you'll find the Blue Streak Comet was made for you! This versatile Linotype combines mechanical simplicity with extra "speed-potential"—high-speed Teletypesetter operation is possible when required.

The simplest two-magazine line machine ever developed, the Blue Streak Comet is engineered to give you (1) mechanical accessibility and (2) simple construction and operation. Just check the features of the Blue Streak Comet, and you will agree that this is the machine you need to break composing-room bottlenecks and breeze under deadlines.

WHEN IT'S SPEED YOU NEED, the Blue Streak Comet, teamed with a Teletypesetter, will race through 12 lines of 12-pica text matter a minute. A special self-quadder operates from Teletypesetter tape signals.

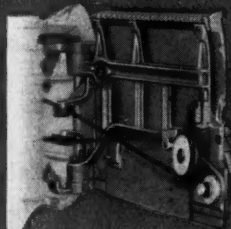


NEW COMET FEATURES FOR OPERATING EASE AND ECONOMY

- Standard ¼ H.P. motor available at any electrical supply store.
- Aluminum alloy distributor screws respond quicker to interference—protect matrices from damage.
- Heating units and controls improved to provide easier regulation of temperature, more even distribution of heat. Cast block throat heaters permit easy removal and replacement. An overload circuit breaker prevents burning out of heating element.
- Front swings out—from magazine to keyboard—for easy access to keyboard rods.
- Keyboard rod frame lifts out for easy maintenance and lubrication of adjacent parts.
- Keyrods act directly on escapement plungers—escapement levers eliminated.
- Handwheel and micrometer knob permit extremely fast setting of left-hand vise jaw for any measure in full ems or points.
- Longer distributor box bar allows a full 30-em line to transfer off second elevator bar without delay.
- Cams have been redesigned to give quieter, smoother, quicker operation at high speeds.
- Steep angle magazines provide quick response to touch of key.
- A new magazine shift and counterbalance means short, easy movement of shifting handle—easier operation.



The new distributor clutch responds even faster and requires considerably less pressure to stop the distributor. This protects matrices and prevents machine damage.



The entire front of the Comet, including the keyboard, swings out for accessibility and maintenance ease never before possible.



Make a note now to check the ML Quadder and the Blue Streak Comet against your composing-room requirements. Go over all the work-speeding, time-saving details with your Linotype representative. Mergenthaler Linotype Company, Brooklyn 5, New York.

• **LINOTYPE** •

LEADERSHIP THROUGH RESEARCH

But in Germany and members of the Sparten family

Looking Ahead...

Those-in-the-know assure us that defense production, within a month or so, will, like an earthquake, shock the entire industry of America, draining off material and manpower resulting in almost inconceivable scarcities which will then result quickly in broadest controls.

Even the Boy Scouts' motto is "Be Prepared."

SOLEMN WARNING: The controls, the scarcity of already-controlled cobalt, aluminum, copper, nickel, etc., indicate . . .

You may not be ABLE to meet tomorrow's necessities without a Baumfolder and probably cannot GET your Baumfolder . . . UNLESS you order NOW.

Throughout the country, far-sighted Bookbinders have ordered MORE Baumfolders (Stein-Merki, Chicago's largest, ordered their NINTH Baumfolder . . . as this advertisement is being written . . . use only BAUMFOLDERS) . . . Printers add more and more; for instance, Josten's of Minnesota bought another in March, another in May and a 25x38 in November.

It was a PAPER (hot) WAR before . . . remember . . . you hadn't enough automatics to fold it all, nor the manpower . . . and the bookbinders were swamped (in many cities today they are already swamped which is one reason that more bookbinders are ordering more Baumfolders a week now than would be ordered in six months ordinarily).

It will be a PAPER (cold) WAR . . . billions to be spent faster than ever in history . . . untold millions for the essential printing involved, much of it requiring folding, cutting, perforating, pasting, etc. . . . The indispensable Automatic that is a little bindery in a single machine will help terrifically to solve manpower shortages, delivery dead-lines, economy and/or profit problems, etc., etc.

Over 6,000 Baumfolders shipped since V-E Day and minimum distribution costs enable us to furnish the brand new 17x22 FIVE-FOLD JUNIOR JET AUTOMATIC for only \$1685 with Suction Pile Feed and two motors and pump and cutters, perforators (book perforators also Commercial Perforators included—no extras to buy). Invest only \$185 and pay a half day's profit per month (\$50) for 30 months. Friction-fed model \$300 cheaper (only \$1385) . . . pay \$185 initial and \$40 per month.

Equally marvelous "Gold Mines" in sizes 22x28, 25x38 and 30x46-60. Please wire collect for catalogues. Thank you.

RUSSELL ERNEST BAUM, INC.

615 CHESTNUT STREET, PHILADELPHIA 6, PA.

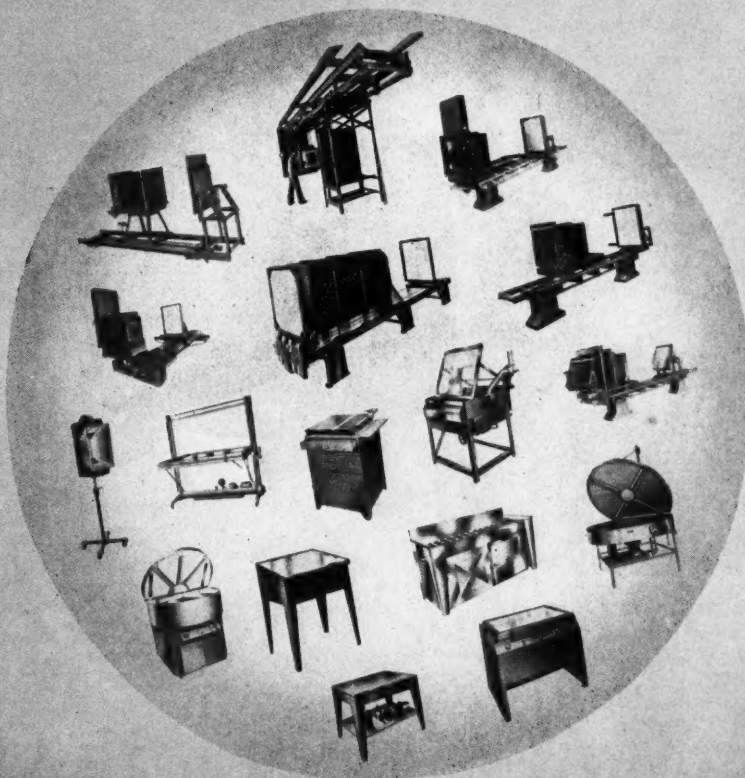
RRR

... the complete line of PHOTOMECHANICAL EQUIPMENT

Thirty years of manufacturing exclusively to the graphic arts photo mechanical trades puts Robertson equipment far ahead of the field.

A record of having built only the best for the money, coupled with the fact that Robertson made equipment has been designed by practical men engineered in the graphic arts processes have made them the leader in popularity with craftsmen everywhere.

PRECISION
DARKROOM CAMERAS
•
PRECISION
GALLERY CAMERAS
•
PRECISION
OVERHEAD CAMERAS
•
PRECISION
PRISM CAMERAS
•
DISTORTION CAMERAS
•
CAMERA ACCESSORIES
•
FILM CABINETS
•
WET STRIPPING TABLES
•
TEMPERATURE
CONTROLLED SINKS
•
PRINTING FRAMES
•
PLATE WHIRLERS
•
INK UP TABLES
•
LAYOUT TABLES
•
ETCHING MACHINES



For a better buy ... Better buy ROBERTSON!

R. R. ROBERTSON COMPANY
3047-79 ELSTON AVE., CHICAGO 18, ILL. • Eastern Rep.—E. Pollack, 328 E. 87th St., N. Y.

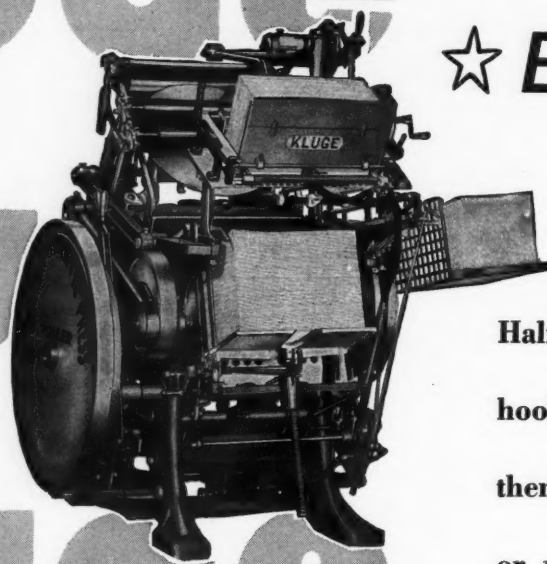
Kluge

KLUGE PRESSES FOR

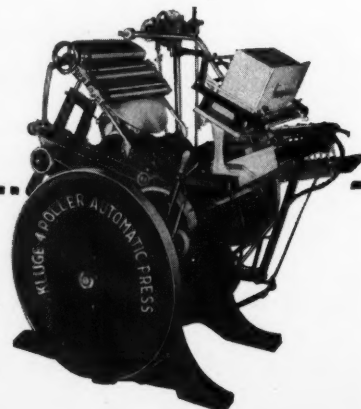
☆ *Printing*

☆ *Die-cutting*

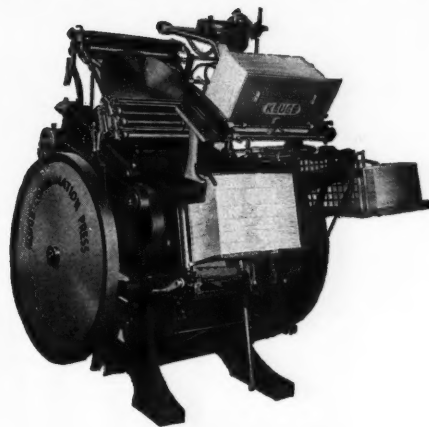
☆ *Embossing*



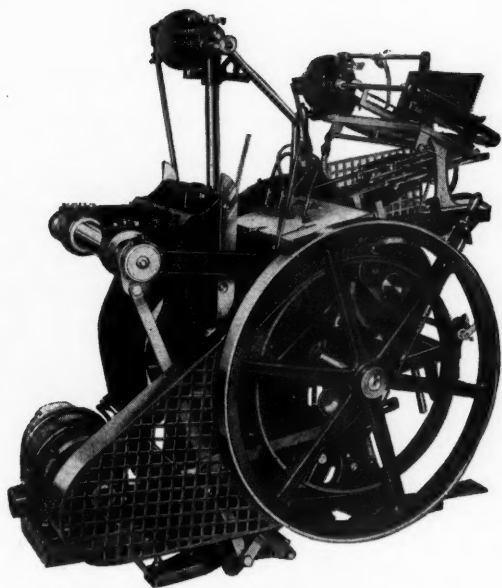
Half-tones, color, "run-of-the-hook" jobs . . . Kluge takes them all in its stride. A letter or post card will bring our representative to your door to tell you about this new Kluge.



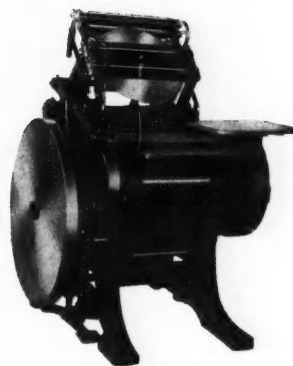
OR *Any* JOB!



**Kluge Combination
Die-Cutting and
Printing Press**



**Kluge Automatic Die-Cutting
and Embossing Press**



Kluge Open Press

For ☆ **Economy of Operation**
☆ **Outstanding Performance**

BRANDTJEN & KLUGE, INC.
SAINT PAUL 3, MINNESOTA

DON'T

**settle for anything
less than this
when you buy a
paper drill**



- ☒ 2¼" back gage to take 2" lift of Stock
- ☒ 2¼" stroke to cut through 2" lift of stock
- ☒ Sufficient power to drive the drill through a 2" lift of *any kind* of stock
- ☒ Two columns on head to prevent side play
- ☒ Positive action foot pedal that always functions
- ☒ Never-miss automatic trip gage that can't slip over the stops
- ☒ Natural operation, handling stock from right to left
- ☒ One way movement of stock with automatic trip gage — no back tracking

You get all this *and more* when you choose a Challenge Paper Drill. It's the one that has "everything!" Nine models — all available with slotting and cornering attachments. Operated by hydraulic, foot or hand power.

625-W

it's a



TRADE-MARK ®

THE CHALLENGE MACHINERY CO.

Office and Factories: Grand Haven, Michigan

"Over 50 Years in Service
of the Graphic Arts"

DEALERS IN ALL PRINCIPAL CITIES

WHITE? But Bright!

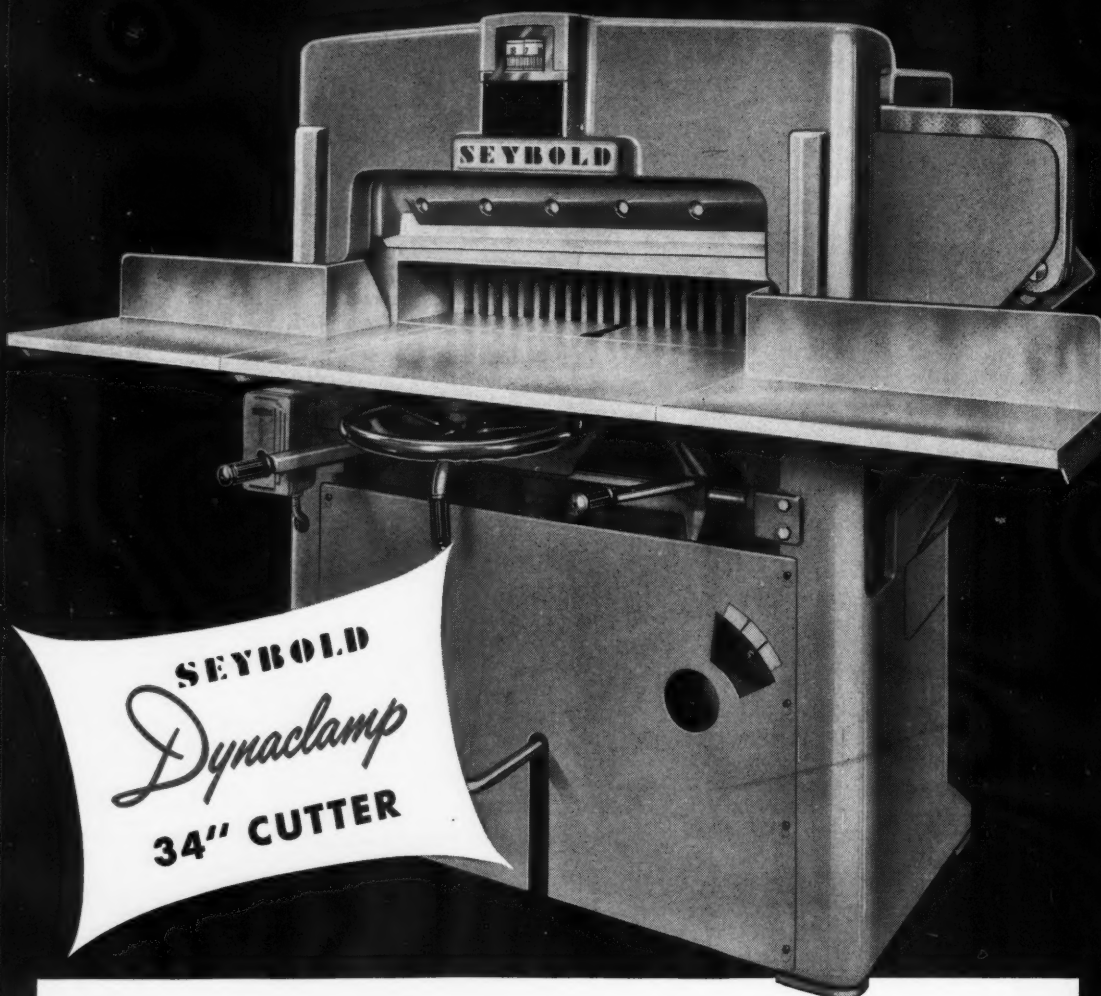
STICK? But Quick!

ALL Grades...All Styles...All
Sizes, and the finest of
adhesives once again!
ASK FOR SAMPLES



**Dayton
Envelopes**

HOWARD PAPER MILLS, INC. • DAYTON ENVELOPE COMPANY DIVISION • DAYTON, OHIO



BABY of the Seybold line, but as rugged as the biggest Seybold made,—that's the new **DYNACLAMP**, the small size cutter with many big size features.

Step up your cutter performance with this completely new cutting machine.

Ask your Seybold representative, or write directly to Department D.

MAKE SURE your small cutter has these **BIG SEYBOLD** Features:

1. More clamp pressure available—assures paper will be securely held—regardless of weight of stock.
2. Sturdy pull arms on *both* ends of the clamp—paper is held tightly clear across the table.
3. Adequate power plus—for continuous production.
4. One piece frame construction assures stability during cut.
5. The correct cutting angle for clean accurate cuts.

HARRIS • SEYBOLD . . . GENERAL OFFICES . . . CLEVELAND 5, OHIO

You want it quick — just say when!



Fast work boys, we'll call again!



For low-cost jobs that win reorders, run on MANAGEMENT BOND

On Management Bond you can deliver good work, fast and at low cost. This watermarked Hammermill paper is made to feed smoothly at high speeds, avoid costly pressroom delays, come off your presses crisp and clean.

And because you can deliver *right on time*, you will find that Management Bond will win you the

good-will that often means a second or third profit when your satisfied customer reorders.

You can offer Management Bond in white and six pleasing colors. It is carried by Hammermill Agents throughout the country in standard weights and sizes.



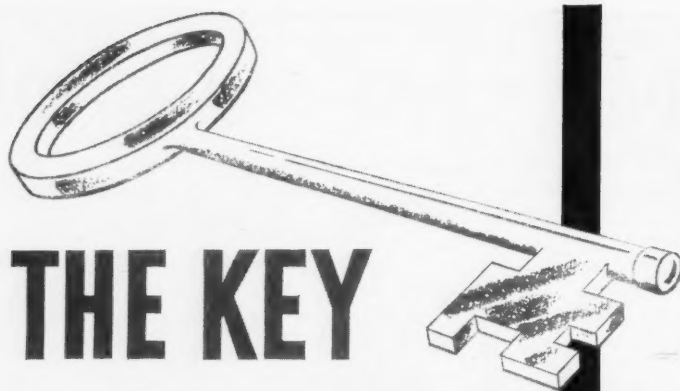
MANAGEMENT BOND
A HAMMERMILL PRODUCT

Send this coupon to your Hammermill Agent or mail it to Hammermill Paper Company, 1601 East Lake Road, Erie 6, Pennsylvania. Please send me—FREE—a sample book of MANAGEMENT BOND.

Name _____

Position _____

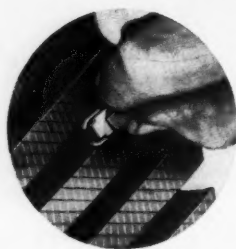
(Please attach to, or write on, your business letterhead.) 1P-DEC.



THE KEY
to Rotary Press Efficiency . . .

PMC

Warnock
ROTARY HOOK
SYSTEM



Here's Why . . . PMC Warnock Rotary Hook automatically locks itself in the groove upon insertion, no additional operations are required to insure it being safely locked in the groove. Hooks CAN'T fly out to damage plates or press.

PMC Hook is locked securely in groove by a spring which extends along the FULL length on both sides of the hook body . . . assuring equal distribution of pressure.

A variety of PMC Hooks are available to solve any clamping and registering problem quickly.

PMC Warnock grooves are closely spaced to permit the use of practically any size or shape printing plate.

PMC Hooks have measured movement for quick, accurate adjustment. One-quarter turn moves hook one point—a full turn moves the hook four points.

PMC Warnock Rotary Hook System assures hair-line register, positive accuracy, and allows narrow margins.

If you plan to purchase a rotary press . . . SPECIFY the PMC Warnock Rotary Hook System WHEN you order. Let our engineers outline PMC cost-saving advantages for you—now!

Write today for complete information

THE PRINTING MACHINERY COMPANY

436 COMMERCIAL SQUARE



CINCINNATI 2, OHIO

23 East 26th Street, New York 10, New York



Daddy, the Green One is Mine!

YOUR OWN HOME contains this simple proof of the great importance of color. How can it be translated into a business asset?

Quite simply.

HOWARD BOND presents for your selection a "rainbow" of twelve attractive colors specially created for the service of modern business. HOWARD

BOND colors lift "routine" printing out of the "routine" class—give it interest, variety and appeal. Printing business forms on these same attention-getting HOWARD colors speeds form identification, minimizes error, simplifies handling and filing. And these add up to better, smoother, more efficient business operation.

So take the time to "brush up" on your business printing needs. Speak to your printer or paper distributor. The HOWARD samples they will show you are convincing proof that HOWARD BOND, whether in whitest white, or any of its twelve distinctive colors, is ideal for all uses where good bond is good business.

HOWARD PAPER MILLS, INC. • HOWARD PAPER COMPANY DIVISION, URBANA, OHIO

Howard Bond

"The Nation's

Business Paper"

Companion Lines: Howard Ledger • Howard Mimeograph



Howard Writing • Howard Posting Ledger



Advertising is Selling

when it appears on **Maxwell Offset**

It's EASY to advertise. It's harder to advertise with sales as the result. Advertisers use no copybook formula for productive promotion, but they understand the truth in this axiom: Advertising must look its best to do its best.

With this in mind, printers rely on MAXWELL OFFSET. They rely on it for quality—for the absence of linting, fuzzing, stretching, picking; for good folding

We'd like to show you the variety of treatments possible on MAXWELL OFFSET. If you'll send us your letterhead, we'll mail you samples of the 8 distinctive finishes, 7 weights and 3 tints.

qualities; for color stability. And even more importantly, they rely on MAXWELL OFFSET for the unvarying continuity of these qualities.

To you this means predictable reaction to press-room processes and the satisfying work that results. To your customers it means advertising that looks its best and does its best. Advertising sells for you, too, when it appears on MAXWELL OFFSET.

HOWARD PAPER MILLS, INC. • MAXWELL PAPER COMPANY DIVISION • FRANKLIN, OHIO

75th Anniversary



FORCE
makes a
machine to handle
each and every
NUMBERING
JOB!

There's a Force Rotary Numbering Head or Typographic Numbering Machine for every press requirement—for every numbering job in the shop. Many involved and complicated jobs have been made simple. If the machine you need isn't standard, FORCE engineers will help you design the most efficient equipment to meet your requirements. FORCE reputation for good and faithful service dates back three-quarters of a century.

Write for Catalog J, showing complete line of Numbering Machines.

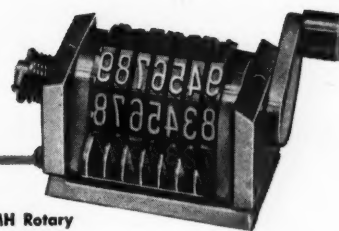
FORCE also manufactures a full line of precision made Hand numbering and dating machines.



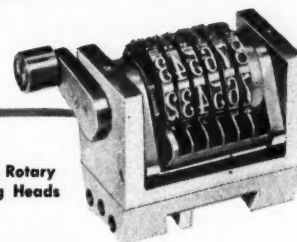
WM.A.FORCE & COMPANY

INCORPORATED

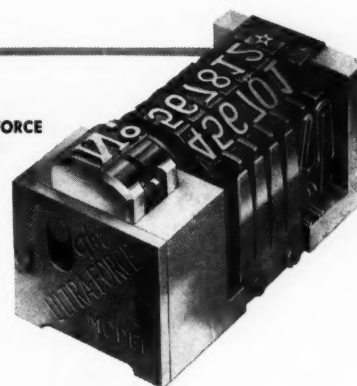
216 NICHOLS AVENUE, BROOKLYN 8, N. Y.



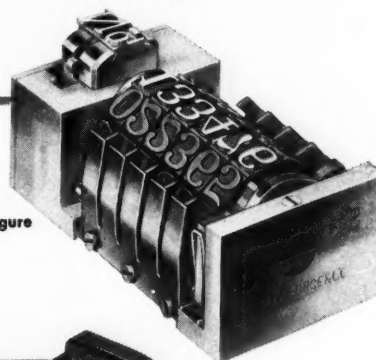
FORCE MH Rotary
Numbering Heads



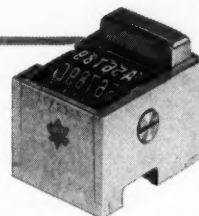
FORCE DU Rotary
Numbering Heads



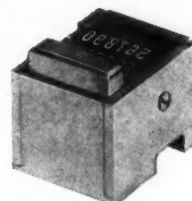
The Ultra-FORCE
Typograph



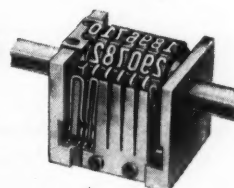
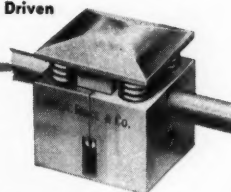
FORCE large Figure
Typograph



FORCE Top and Bottom
Plunger Typographs



FORCE Center Driven
Typograph



Please Mention THE INLAND PRINTER When Writing to Advertisers

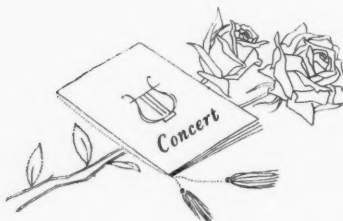


We invite you to use

MONOTYPE BULMER

wherever

*refined simplicity and graciousness need to
be expressed in the printed word*



Bulmer Roman: A B C D E F G H I J K L M N O P
Q R S T U V W X Y Z & \$ 1 2 3 4 5 6 7 8 9 0 %
a b c d e f g h i j k l m n o p q r s t u v w x y z f i f f f f f f
., - ' ' ; ; ! ? () — ¼ ½ ¾ ⅛ ⅜ ⅝ ⅞

Bulmer Italic: A B C D E F G H I J K L M N O
P Q R S T U V W X Y Z & \$ 1 2 3 4 5 6 7 8 9 0
a b c d e f g h i j k l m n o p q r s t u v w x y z f i f f f f f f
., - ' ' ; ; ! ?

Send for Specimen Sheet on Monotype Bulmer, Series No. 462

Bulmer brings an individual beauty of form and character to the ever-growing Monotype family. Now available (Bulmer Series No. 462) for composition in 6, 7, 8, 9, 10, 11, 12, 14, and 18 point sizes, in roman and italic; and in all sizes but 14 and 18 point, in small caps. For display, sizes available are 14, 16, 18, 24, 30, and 36 point in roman and italic; and 14 and 18 point in small caps.

mono*type*

LANSTON MONOTYPE MACHINE COMPANY, 24th at Locust St., Philadelphia 3, Pa. • BRANCH OFFICES: 116 Spring St., N. W., Atlanta 3, Georgia
170 Summer St., Boston 10, Massachusetts • 216 W. Jackson Blvd., Chicago 6, Illinois • 441 Lexington Ave., New York 17, N. Y. • 55 New Mont-
gomery St., San Francisco 5, California • IN CANADA: Monotype Company of Canada, Limited, 77 York St., Toronto 1, Ontario, Canada

BIGGER BILLINGS AHEAD

with St. Regis Papers

There are bigger billings ahead for every printer who discovers the extra values — *end-use values* — in the St. Regis line of printing papers.

These values are reflected in ease of printing, economical cost, and customer satisfaction. The result is a greater volume of work from present customers, and a higher net profit for the printer.

Such *end-use values* are the constant goal in the production of all St. Regis Papers. They are attainable because St. Regis has complete control of every step in the paper-making process, from raw materials through every stage of production to the finished sheet.

These high standards prevail through the full range of St. Regis grades — Enamel Printing, Coated Printing, Uncoated Book and Uncoated Printing Papers. Make them your guide to the *bigger billings* that lie ahead.



Young Mockingbirds, photographed by Allan D. Cruickshank



Printing, Publication and Converting Paper Division

"fine paper for fine printing"

ST. REGIS
SALES CORPORATION

Sales Subsidiary of St. Regis Paper Company

230 Park Avenue, New York 17, N. Y.
230 N. Michigan Avenue, Chicago 1, Ill.
218 Martin Brown Bldg., Louisville 2, Ky.

From Reels



To Refrigerators



OXFORD PAPERS

HELP BUILD SALES

WHETHER your object is to increase sales for sporting equipment, major household appliances or any other product, Oxford Papers can help you assure greater effectiveness for the printed material you produce or buy. That's because each of the many Oxford coated and uncoated grades has been designed to help you produce successful, action-compelling printed promotions by adding the finishing touch of quality to fine copy, art and printing. Why not select a paper from the nationally recognized Oxford line for your next printed piece? It will help to make the job outstanding.

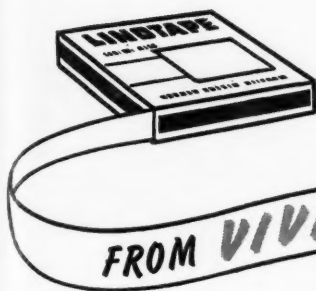


Your Oxford Paper Merchant is a Good Man to Know
You can count on your Oxford Paper Merchant for prompt service and practical, friendly help in meeting your needs for paper. His long experience with paper and paper problems can help you produce a better job more economically. Get in touch with him today and ask for a copy of the helpful Oxford Paper Selector Chart. Or, write direct to us.

OXFORD PAPER COMPANY **OXFORD MIAMI PAPER COMPANY**
230 Park Avenue, New York 17, N. Y. 35 East Wacker Drive, Chicago 1, Ill.
MILLS AT RUMFORD, MAINE, AND WEST CARROLLTON, OHIO

Nation-wide Service Through Oxford Paper Merchants

Albany, N. Y.	W. H. Smith Paper Corp.
Atlanta, Ga.	Wyant & Sons Paper Co.
Augusta, Maine	Carter, Rice & Co. Corp.
Baltimore, Md.	The Mudge Paper Co.
Bethlehem, Pa.	Wilcox-Walter-Furlong Paper Co.
Boise, Idaho	Blake, Moffitt & Towne
Boston, Mass.	Carter, Rice & Co. Corp.
Buffalo, N. Y.	Franklin-Cowan Paper Co.
Charlotte, N. C.	Caskie Paper Co., Inc.
	The Charlotte Paper Co.
Chattanooga, Tenn.	Bond-Sanders Paper Co.
Chicago, Ill.	Birmingham & Prosser Co.
	Bradner, Smith & Co.
	The Whitaker Paper Co.
Cincinnati, Ohio	The Johnston Paper Co.
	The Whitaker Paper Co.
Cleveland, Ohio	The Cleveland Paper Co.
Columbus, Ohio	Scioto Paper Co.
Dayton, Ohio	Cincinnati Cordage Co.
	The Whitaker Paper Co.
Des Moines, Iowa	Birmingham & Prosser Co.
Detroit, Mich.	Chope Stevens Paper Co.
Fresno, Calif.	Blake, Moffitt & Towne
Hartford, Conn.	Green & Low Paper Co., Inc.
Indianapolis, Ind.	MacCollum Paper Co.
Jacksonville, Fla.	Jacksonville Paper Co.
Kalamazoo, Mich.	Birmingham & Prosser Co.
Kansas City, Mo.	Birmingham & Prosser Co.
Knoxville, Tenn.	Louisville Paper Co.
Lincoln, Neb.	Western Newspaper Union
Little Rock, Ark.	Roach Paper Co.
Long Beach, Calif.	Blake, Moffitt & Towne
Los Angeles, Calif.	Blake, Moffitt & Towne
Louisville, Ky.	Louisville Paper Co.
Lynchburg, Va.	Caskie Paper Co., Inc.
Manchester, N. H.	C. H. Robinson Co.
Memphis, Tenn.	Louisville Paper Co.
Miami, Fla.	Everglades Paper Co.
Milwaukee, Wis.	Allman-Christiansen Paper Co.
	Sensenbrenner Paper Co.
Minneapolis, Minn.	Wilcox-Mosher-Leffholm Co.
Nashville, Tenn.	Bond-Sanders Paper Co.
Newark, N. J.	Bulkley, Dunton & Co., Inc.
New Haven, Conn.	Bulkley, Dunton & Co., Inc.
New York, N. Y.	Baldwin Paper Co., Inc.
	Bulkley, Dunton & Co., Inc.
	Green & Low Paper Co., Inc.
	Miller & Wright Paper Co.
	The Whitaker Paper Co.
Oakland, Calif.	Blake, Moffitt & Towne
Omaha, Neb.	Western Paper Co.
Philadelphia, Pa.	Atlantic Paper Co.
	Wilcox-Walter-Furlong Paper Co.
Phoenix, Ariz.	Blake, Moffitt & Towne
Pittsburgh, Pa.	General Paper Corp.
	Brubaker Paper Co.
Portland, Maine	C. H. Robinson Co.
Portland, Ore.	Blake, Moffitt & Towne
Providence, R. I.	Carter, Rice & Co. Corp.
Richmond, Va.	Cauthorne Paper Co.
Rochester, N. Y.	Genesee Valley Paper Co.
Sacramento, Calif.	Blake, Moffitt & Towne
St. Louis, Mo.	Shaughnessy-Kniep-Hawe Paper Co.
	Tobey Fine Papers, Inc.
St. Paul, Minn.	Inter-City Paper Co.
San Bernardino, Calif.	Blake, Moffitt & Towne
Salt Lake City, Utah	Western Newspaper Union
San Diego, Calif.	Blake, Moffitt & Towne
San Francisco, Calif.	Blake, Moffitt & Towne
San Jose, Calif.	Blake, Moffitt & Towne
Seattle, Wash.	Blake, Moffitt & Towne
Sioux City, Iowa	Western Newspaper Union
Spokane, Wash.	Blake, Moffitt & Towne
Springfield, Mass.	Bulkley, Dunton & Co., Inc.
	(Div. of Carter, Rice & Co. Corp.)
	Mill Brand Papers, Inc.
Stockton, Calif.	Blake, Moffitt & Towne
Tacoma, Wash.	Blake, Moffitt & Towne
Tampa, Fla.	Tampa Paper Co.
Toledo, Ohio	Paper Merchants, Inc.
Tucson, Ariz.	Blake, Moffitt & Towne
Washington, D. C.	The Mudge Paper Co.
Worcester, Mass.	C. A. Esty Paper Co.
	(Div. of Carter, Rice & Co. Corp.)



VIVID!

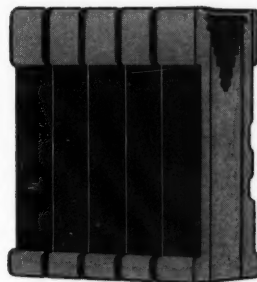
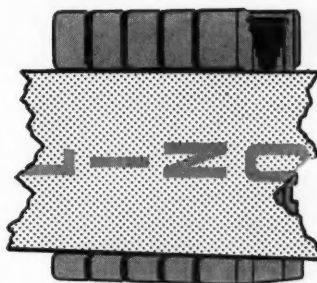
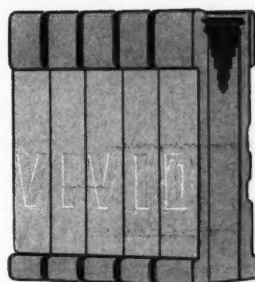
WITH THE
LINOTAPE DRI-STAIN PROCESS

and so easy to do **YOURSELF**
by...

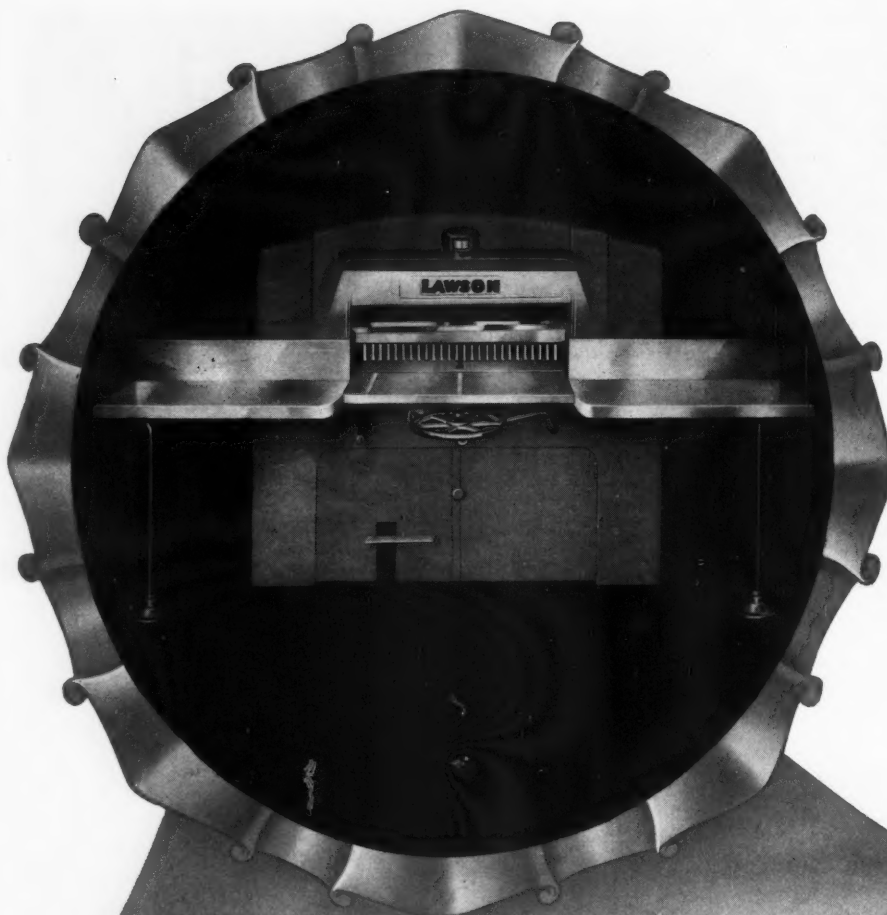
laying a piece of **LINOTAPE**
across the face of the
mats, heating it...

...then removing the tape
to find the face—and only the
face—**DRI-STAINED** black.

Add white or colored inlay,
and then...
enjoy less eye-strain,
fatigue, fewer errors and
MORE PROFITS.



LINOTAPE PRODUCTS COMPANY 1840 LARIMER STREET
DENVER, COLORADO



**BUY
Lawson
AND YOU BUY
THE BEST
39" CUTTER**

Get the benefit of over half a century of experience embodied in a fully automatic clamp cutter of maximum accuracy, efficiency, and safety. Overwhelming preference for the Series "V" Lawson 39" Heavy Duty Cutter—makes possible savings that are passed on to you!

feature for feature, dollar for dollar...

LAWSON CUTTERS RATE BEST!

- Fully automatic—just one movement of handle; clamps and cuts the lift of paper!
- Greater Speed—43 strokes per minute!
- Full 6" Height of pile for increased production!
- Straight Line Knife Pull!
- Steel Safety Bolt and Overload Device!
- Gears operate in sealed oil bath!
- Knife slot closing device!

Send for illustrated folder on the Series "V" Lawson 39" Heavy Duty Cutter! Learn why it's the best buy for your money!



E. P. LAWSON CO.

MAIN OFFICE • 426 WEST 33rd ST., NEW YORK

BOSTON

• CHICAGO

• PHILADELPHIA

170 Summer St.

628 So. Dearborn St.

Bourse Building

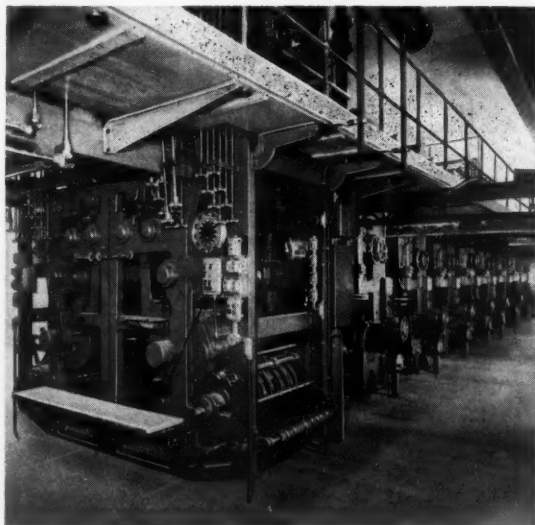
EXCLUSIVE DISTRIBUTORS • SALES and SERVICE

HARRY W. BRINTNALL CO., INC. Los Angeles, San Francisco, Seattle
A. E. HEINSOHN PRINTING MACHINERY Denver, Colo.
SOUTHEASTERN PRINTERS SUPPLY CO. Atlanta, Ga.
SOUTHWESTERN PRINTERS SUPPLY, INC. Dallas, Texas
SEARS LIMITED Toronto, Montreal, Winnipeg, Vancouver

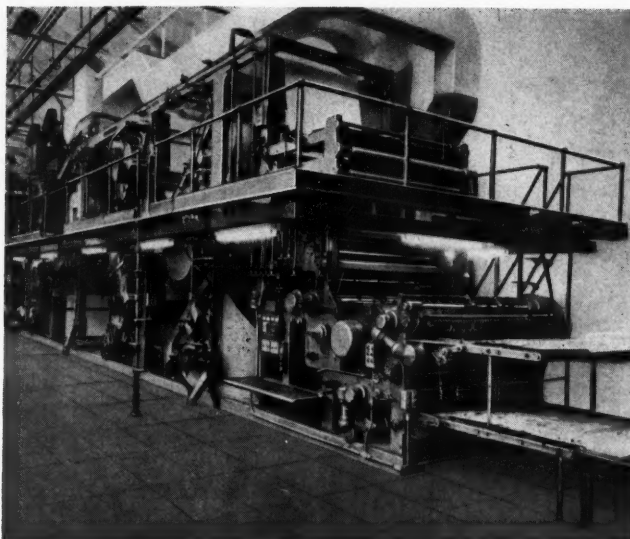
Progressive Printers

*Choose
Hoe Presses*

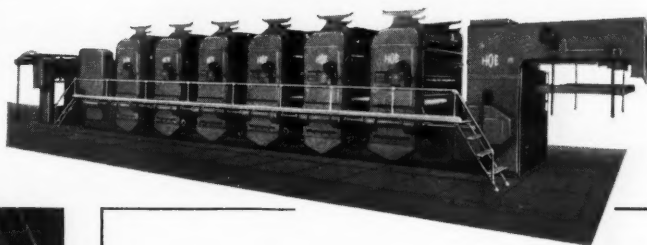
because the efficiency of Hoe design
and Hoe precision construction
assure dependable high-volume,
high-quality production.



Large volume monotone or multi-color jobs, such as newspaper supplement and comic sections, and mail-order catalogues, are produced at profit-making speeds on the HOE SUPER-PRODUCTION ROTOGRAVURE PRESS.



The exacting demands for fine presswork and precision registration in the top-quality magazine field are fully met by the HOE SUPER-PRODUCTION MAGAZINE PRESS.



For fine, high-speed offset printing, with unrivaled accuracy of registration, the new HOE CONVERTIBLE 50" x 72" SHEET-FEED PRESS is outstanding.

R. HOE & CO., INC.

910 East 138th Street New York 54, N. Y.

BRANCHES: BOSTON • CHICAGO • SAN FRANCISCO
BIRMINGHAM • PORTLAND, ORE.

TO BUSINESS FORM PRINTERS:

COMPETITION GOT YOU WORRIED?

INSTALL A

Hamilton ROTARY WEB PRESS!

Hamilton Equipment Enhances Your Competitive Position in a Highly Competitive Field, Because:

Hamilton Rotary Web Presses are built to the user's specifications from proven, standard units.

They are designed for rubber plate, electrototype, stereotype, or offset printing.

All parts are easily accessible.

Extremely high web speeds.

Quick and easy adjustment for color registration.

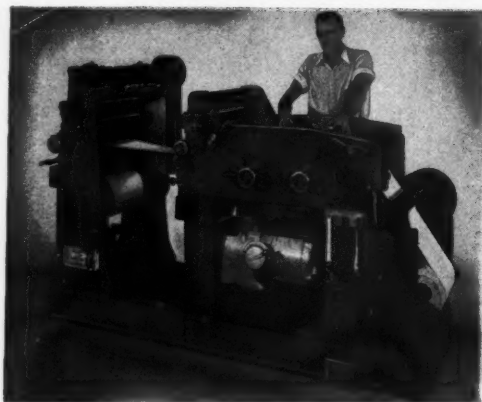
No makeready required.

Work is delivered complete in one operation.

Auxiliary operations performed by built-in units. (Numbering, file hole punching, tabulating and collating punching, cross perforating, length and intermittent length perforating, lacquering, drying, slitting, cross cutting, stacking, rewinding, and endless "zigzag" folding).

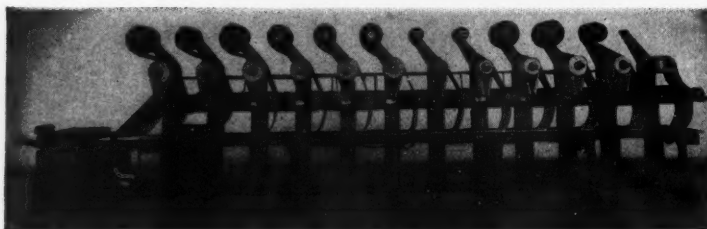
Continuous form (zigzag) folders, collators, and cross cutting and stacking equipment may be installed separately.

Write for additional information.



Hamilton Web Press, 17" x 15", designed for one color rubber plate printing, numbering, punching for tabulating and collating, length perforating, slitting, and rewinding. Can be arranged for additional colors as required, and for cut-off, rewind, or endless "zigzag" fold delivery, either or all. Note that the figure gives scale and illustrates the easy accessibility to all parts of the Hamilton Web Press.

Hamilton Collating Machine. Arranged for interleaving into manifold relationship, twelve printed snap out forms and eleven carbons, glued or unglued, with cut-off delivery. Continuous feed. 8½" or 17" lengths x 15" width. Can be furnished for other numbers of stations as required, and also for continuous "zigzag" fold delivery.



Patent Pending
Copyright 1949—The Hamilton Tool Co.



THE
Hamilton
TOOL COMPANY

900 HANOVER STREET • HAMILTON • OHIO • U • S • A

"THEY CAN ONLY
GIVE US 4 DAYS ON
THIS JOB, JIM. CAN
WE GET IT OUT?"



"WHY CERTAINLY!
WE'LL RUN IT ON
WHIPPET BOND!"

*When your customer wants good work in a hurry—
use this fast-running, low-cost Hammermill paper.*

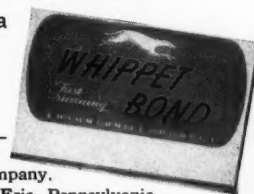
Sometimes a good order—and the confidence of a good customer—depend on speed plus good printing. That's when you can rely on Whippet (fast-running) Bond. This Hammermill paper is made for use on modern high-speed letterpress or offset presses.

Whippet Bond offers outstanding *balanced* qualities in the unwatermarked field of bond

paper use. Manufactured to rigid standards of bulk, surface and printing qualities, it lies flat, feeds smoothly...saves you money in first cost...more money in trouble-free pressroom performance...*makes* the money that comes from the reorders of your satisfied customers.

Send the coupon now for a free sample book.

WHIPPET
Fast running **BOND**
A HAMMERMILL PRODUCT



Hammermill Paper Company,
1601 East Lake Road, Erie, Pennsylvania.

Please send me—FREE—the sample book of Whippet Bond.

Name _____

Position _____

(Please attach to, or write on, your business letterhead) 1P-DEC.

When Writing These Advertisers, Please Mention THE INLAND PRINTER

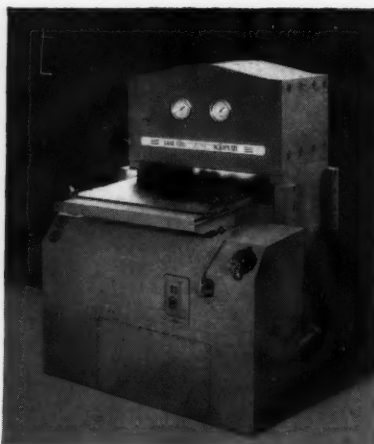
OUTSTANDING RECORDS

● More than 600 Acraplates and Directomats serve leading plants of all types throughout the graphic arts industries. Not only in numbers, but in all-around satisfaction and day-to-day performance, this equipment has established records none other can come close to matching.

ACRAPLATE For Producing Rubber and Plastic Plates, and Plastic Electrotypes. To enable individual plants to obtain the exact equipment they require regardless of the volume, type or size of work they wish to mold, Lake Erie offers five models of the Acraplate as well as complete accessory equipment including pre-heating and chilling presses.



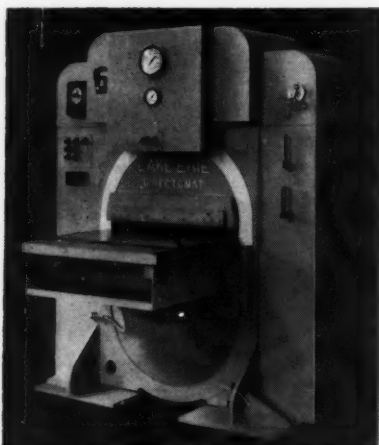
MODEL 11 ACRAPLATE—Designed for smaller work in all types of plants. Unequalled for simplicity of operation and overall economy. 115 tons capacity with 17" x 22" platens.



MODELS 18, 27 (illustrated) and 32—Similar, except as to tonnage and platen area. These models cover the widest range of work requirements. Model 18—180 tons capacity with 24" x 20" platens, Model 27—270 tons with 31" x 25" platens and Model 32—320 tons with 36" x 28" platens.



MODEL 55—Developed for plants having requirements for higher pressures than are needed in usual plate work and for limited mat molding. 550 tons, 31" x 25" platens.



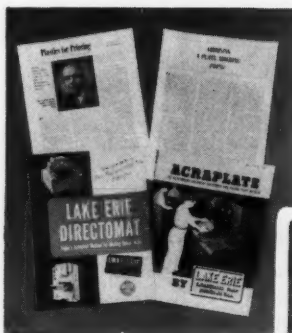
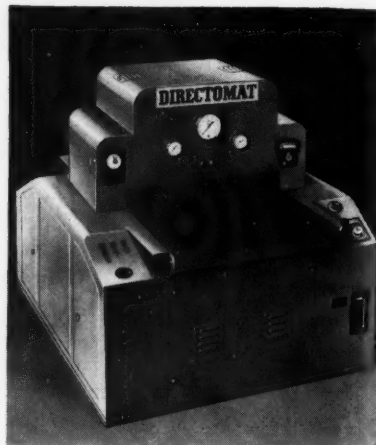
DIRECTOMAT

for Direct Pressure Mat Molding

To meet all requirements for direct pressure mat molding, Lake Erie offers two models of its famous Directomat. These models are available with accessory equipment to meet every known need.

STANDARD MODEL (left)—Most widely used of all such equipment. Fast, rugged, precision-built, economical. 800 tons capacity with 32½" x 24" platen size.

HEAVY-DUTY MODEL (right)—The ultimate in matrix molding equipment for those who require oversize working area and extra pressure. 1000 tons capacity with 34" x 26" platen size.



HELPFUL LITERATURE *Free on Request*

- 1 ACRAPLATE BULLETIN 350—Description of all models and accessories.
- 2 DIRECTOMAT BULLETIN 349—Description of both models and accessories.
- 3 CHOOSING A PLATE MOLDING PRESS—How to select rubber and plastic plate molding presses and accessories.

- 4 PLASTICS FOR PRINTING—What a large publisher has learned about plastic plates

ALSO MANY OTHER BULLETINS AND DATA. WRITE US YOUR DESIRES AND REQUIREMENTS.



LAKE ERIE ENGINEERING CORP.
504 Woodward Avenue, Buffalo 17, New York
Offices in Principal Cities and Foreign Countries

★
● Leading manufacturer of hydraulic presses—3,500 designs from 5 to 23,000 tons capacity—stereotype molding... plastics molding... laminating... die sinking... metal working... forging... metal extrusion... waste wood and ply wood... rubber vulcanizing... special purpose.

LAKE ERIE® ACRAPLATE® DIRECTOMAT®

it takes and makes a better impression

INTERNATIONAL TICONDEROGA OFFSET



● Booklets, programs, folders, reports become outstanding examples of your skill when you use **Ticonderoga Offset**. You'll like its press performance, its clean, sharp reproduction, its respect for color. And when economy is important, remember . . . offset or sheet-fed gravure, you get a real run for your money with **Ticonderoga Offset**.

International Paper Company, 220 East 42nd Street, New York 17, N. Y.



INTERNATIONAL PAPERS

for printing and converting

Please Mention THE INLAND PRINTER When Writing To Advertisers

Prominent Users of Strathmore Letterhead Papers: No. 91 of a Series



The main office of the Philadelphia Saving Fund Society in its 36-story building at Twelfth and Market Streets; seven branches are at other locations in the city.



QUALITY... the foundation of a sound business reputation

Of all the details, large and small, upon which a company founds its reputation, nothing establishes a more immediate, a more vivid impression than the letterhead on which it addresses its customers and prospects. It is because of this that leading companies specify Strathmore for their letterheads.

The Philadelphia Saving Fund Society is one of these leaders. America's first and oldest savings bank, it was established in Philadelphia in 1816, and stands today as the largest mutual savings bank in number of depositors and the second largest in total deposits. Such organizations know that they must convey quality and integrity in everything they do, so naturally they select Strathmore papers to represent them to the public.

Look at your firm's letterhead: Does it present a picture of your company that establishes a *quality* reputation...that by its very look and feel attract attention to your message? Appraise the design—is it modern, fresh-looking? Should it be re-styled to convey the picture of your present-day outlook? Consult your supplier today. Have him submit samples of your letterhead on Strathmore. See for yourself what a quality paper can do to express quality for your firm.

Strathmore Letterhead Papers: Strathmore Parchment, Strathmore Script, Thistlemark Bond, Alexandra Brilliant, Bay Path Bond, Strathmore Writing, Strathmore Bond. Envelopes to match converted by the Old Colony Envelope Company, Westfield, Mass.

STRATHMORE

MAKERS
OF FINE
PAPERS

Strathmore Paper Company, West Springfield, Massachusetts

Strathmore ADVERTISEMENTS

in national magazines tell your customers about the letterheads of famous American companies on Strathmore papers. This makes it easier for you to sell these papers, which you know will produce quality results.

★ ★ ★

This series appears in:

TIME

NEWSWEEK

BUSINESS WEEK

ADVERTISING AGE

PRINTERS' INK

SALES MANAGEMENT

The Miehle

Stands for More than a Press



Miehle Means

1. Nation-Wide Service
2. Efficient Operating and Maintenance Aids
3. Sound Advice and Assistance on Printing Problems

It Means Nation-Wide Service

Miehle's responsibility does not end with the sale of a press. Service, in the Miehle picture, is as important as engineering, manufacturing or sales.

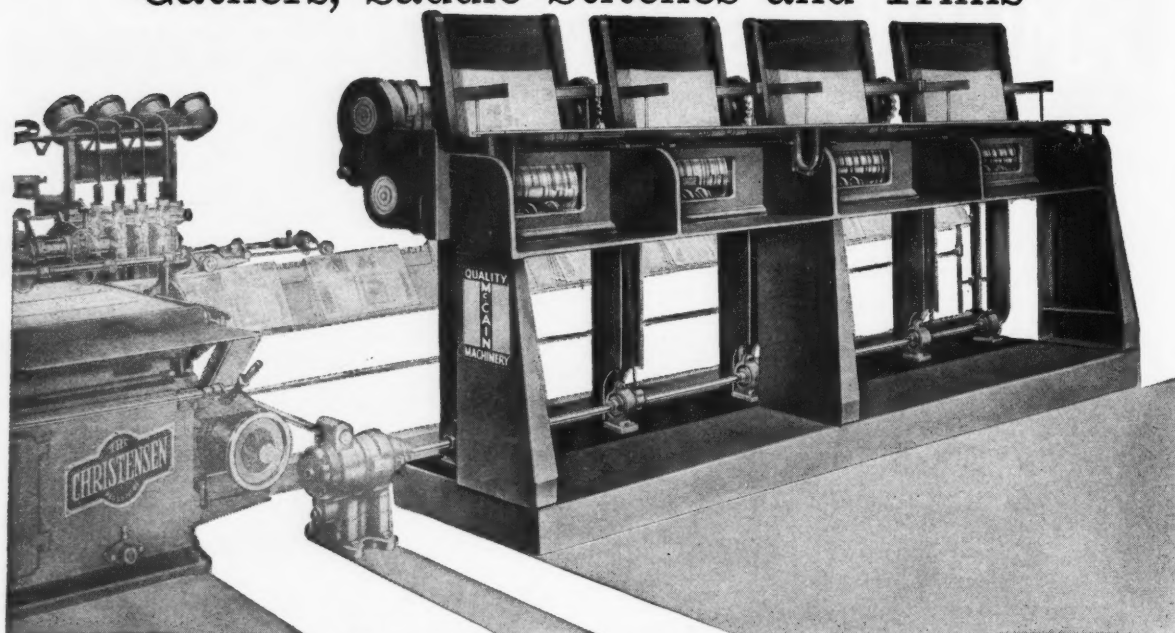
The service division is responsible for the installation and erection of new presses and for servicing the equipment in the field thereafter. As the map shows, Miehle service points are strategically located throughout the nation. Printers know that they can rely on Miehle for speedy parts replacement and prompt, efficient field service.

This service, especially in emergencies, is another advantage in owning and operating Miehle equipment.

Miehle Printing Press and Mfg. Co.

CHICAGO 8, ILLINOIS

Gathers, Saddle Stitches and Trims



In One Continuous, Automatic Operation

NOW AVAILABLE in one integral unit is a combination of the Christensen Gatherer and Stitcher and the McCain Automatic Signature Feeder. This combination gathers, saddle stitches and trims booklets and magazines.

The McCain Feeder (built in units of two, three or four feeding pockets, line assembled to handle the required number of signatures) places the prefolded signatures onto the moving saddle of the gathering and wire stitching machine.

Signature sizes may range from $5\frac{1}{4} \times 7$ " to $11\frac{1}{2} \times 16$ "—and may be in any number of pages up to the capacity of the stitcher heads. The combination handles up to 125 signatures per minute, depending upon paper conditions.

If you already own a Christensen Gang Stitcher

... you can convert it to automatic gathering by adding the McCain Signature Feeder, thus securing fully automatic operation. Both signature feeder and stitcher are operated from common power drive.

McCain Shear-Type Trimmer

A shear-type trimmer may be coupled directly to the McCain-Christensen combination unit, so that signatures are fed, gathered and booklets stitched and trimmed in one continuous operation. . . .

Write today for further information about this automatic combination which gathers, saddle stitches and trims in one continuous operation.

McCain • Dexter • Christensen

Machines for Printers and Binders

Dexter Folder Company

Associated with the de Florez Company for Special Engineering

General Sales Offices, 330 West 42nd Street, New York 18, N. Y.

SALES REPRESENTATIVES: Chicago • Philadelphia • Boston • Cleveland • Washington • St. Louis

AGENTS: Dallas • Denver • San Francisco • Los Angeles • Seattle • Toronto • Montreal • Winnipeg . . . and in Foreign Countries

Now—Kimberly-Clark brings you

Premium Papers at "Economy" Prices!



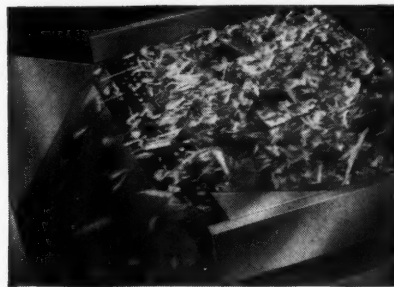
HOT OFF THE PRESS—WITH A SPARKLING NEW KIND OF SALES APPEAL!

Now you can make every impression a far better impression—without an increase in printing cost! For Kimberly-Clark's four new fully-coated printing papers with new fiber, new formula, give you premium quality press performance and reproduction—at the cost of ordinary paper!

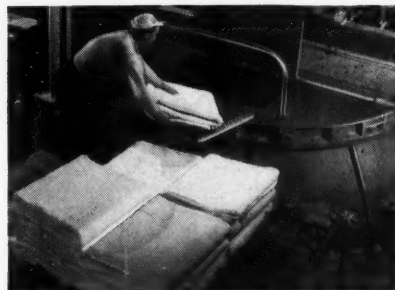
You'll see new whiteness and brightness, feel new smoothness, in all four Kimberly-Clark papers. In make-ready, on large or small presses,

you'll discover new economy and dependability. Finally, in comparing reproduction with that of any other paper, at any price, you'll agree there's a striking new difference in the quality of printing achieved—with less waste.

So regardless of your paper requirements—for long runs or short runs, for advertising pieces, magazines or house organs—look to Kimberly-Clark for printability at its best.



From logs to chips in 60 seconds! After whirling blades reduce logs to "postage stamp" chips, screens remove oversize pieces. It's part of the carefully *integrated* system whereby all raw materials, machinery and processes are produced or controlled by Kimberly-Clark—giving you the finest coated paper in this market.



Egg beater a la Kimberly-Clark! Automatically controlled room-size beaters blend LongLac sulphate pulp with other raw pulps. This important ingredient—plus the new white clay coating formula—is the secret behind a super-smooth paper with broad ink affinity, dimensional stability, and brilliant *new* whiteness.



Ever picked a pick resistant paper? You have—if you've picked Kimberly-Clark! And just as this picture shows the test for opacity, so does Kimberly-Clark test each lot of paper for *pick resistance*. They're just two of the 79 checks that assure the press performance and reproduction of *higher-priced paper!*

Before choosing any printing paper—Look at Kimberly-Clark coated papers

New HIFECT* Enamel—with sulphate-cooked fibers added, permanence, foldability, dimensional stability make Hifect ideal for covers or any fine letterpress printing.

New LITHOFACT*—for offset printing, Lithofact provides a moisture- and pick-resistant coating. Offers outstanding foldability. Renders colors without loss of density.

New TRUFECT*—whiter, smoother, folds even better than before. Trufect, for letterpress, offers faster ink setting time, greater press dependability, finer reproduction.

New MULTIFECT*—an economy sheet for volume printing. Now Multifect has added strength, better foldability, greater uniformity ream-on-ream than ever before.

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*The press that
cuts the cost of bookwork*



A fast, practical, long-life press whose wealth of economies stems directly from its superior construction. The sweetest-running press you ever saw, smooth and quiet in operation. Even at its high speed of 3500 impressions per hour, its new stabilizing weight distribution makes the press practically vibrationless. Adjustments stay put; makeready stays made ready, and less of it is required. Many other features in the ATF Kelly Three reach new high standards that produce work which excels in quality as it saves on costs.

Compare this 25"x37" ATF Kelly Three with any 25"x38" press you please, and you'll be impressed with how these

facts can help your book presswork profits climb upwards.

First cost is thousands of dollars less than for a 25"x38" press. Saves up to 86 sq. ft. of floor space; needs only 7'x15'. Operates on only 6 horsepower; a continuous saving. Operating cost is much less than on a 25"x38" press. Cost per thousand impressions is lower. In fact, on many jobs, the cost per thousand run twice through a Kelly Three will be less than once on a 2-color 25"x38" press.

Ask your ATF Representative for press sheet showing a 16-page 6"x9" and an 8-page 9"x12" book layout, and complete information on the Kelly Three.



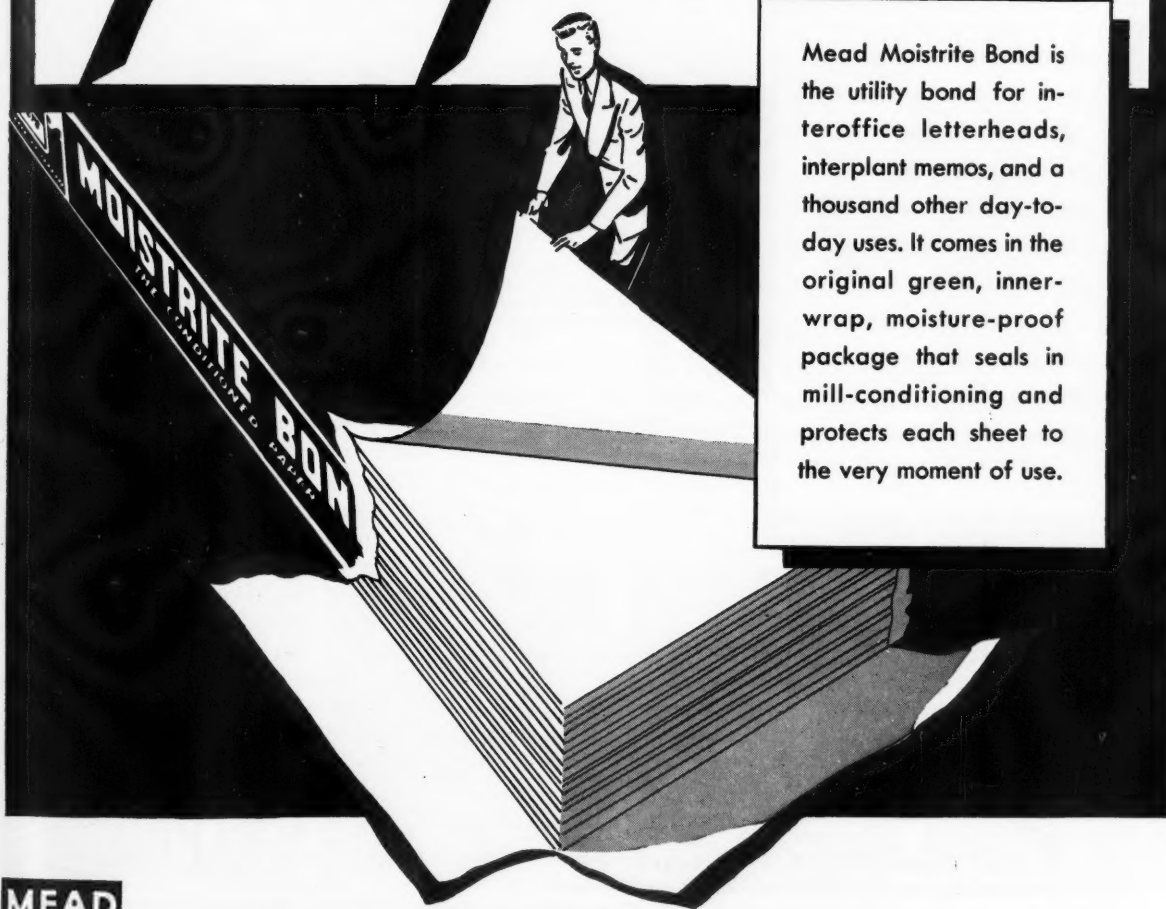
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• American Airlines' switch to Consolidated Enamels for its timetable printing is another typical example of the common-sense way many cost-wise printing users are getting *more impressions per dollar* without loss of profit to the printer or sacrifice in the quality of the finished job.

As related in Consolidated's latest monthly full-page ad in *Fortune*, *Business Week*, *Advertising Age*, *Tide*, *Advertising Agency* and *Printers' Ink*, American switched from old style, premium-priced enamels at a saving of 15 to 25% in net paper costs due *entirely* to the modern method by which Consolidated Papers are made.

This method, pioneered by Consolidated, is

much like the coast to coast, non-stop flights of American's own *Flagships*. It saves time and expense simply by eliminating many stop-and-go steps still in use by other papermakers. It produces paper of highest quality, simultaneously enameled on both sides, in a single high-speed operation.

Many of your own customers and prospects will find *this* kind of saving makes as much sense to them as it does to American Airlines and other users. *Before* they do, call your Consolidated paper merchant. Let him show *you* how Consolidated's lower cost helps *sell* the order, and how Consolidated quality *keeps* it sold.

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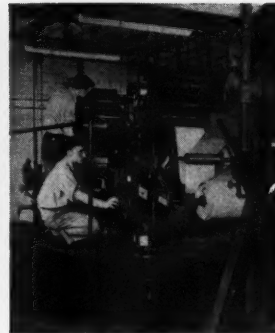
Got a beauty to print? Try our Holdfast* Half-tone Blacks. They print clean, sharp; dry in 4 to 6 hours, faster with heat; available in non-scratch formulations, too.



Our Everyday* line of packaged inks enables printers to reduce ink inventory, yet be prepared to do beautiful color . . . and black-and-white . . . printing of all kinds.



Our Gemtone* Process Colors for sheet-fed presses look as bright when dry as they do when wet. You get sparkling results because they dry on top of the sheet . . . fast!



Over 200 publications use IPI Vaporin* heat-set inks for web presses. Hundreds of newspapers use IPI news inks in blacks or colors (R.O.P., Process, Comic).



Our Vaposet* inks set in moisture. Ideal for packaging, they are odor-free, have excellent waxing and heat-sealing qualities, and set instantly on moist corrugated board.



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KENTUCKY
Louisville 1, 1133 Maple St.

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TEXAS
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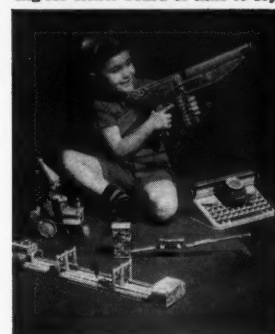
WASHINGTON
Seattle 4, 212 Maritime Bldg.

WASHINGTON, D. C.
132 "Q" St., N. E.

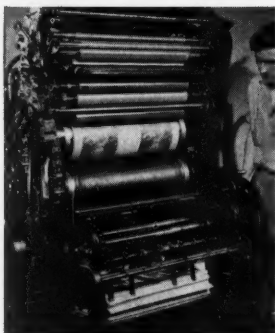
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We have a complete line of inks for fibre board containers. Our Vaposet inks set instantly on moist, corrugated board, eliminate waiting for either board or inks to dry.



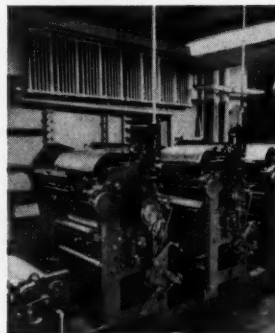
We make a complete line of metal decorating inks, including our Elixirin* inks for quality wet-ink varnishing . . . which also give excellent results when dry varnished.



Greasing, scumming, emulsification, and bleeding are reduced with our Press-tested* offset inks. They're tested on presses which lithographers, themselves, use.



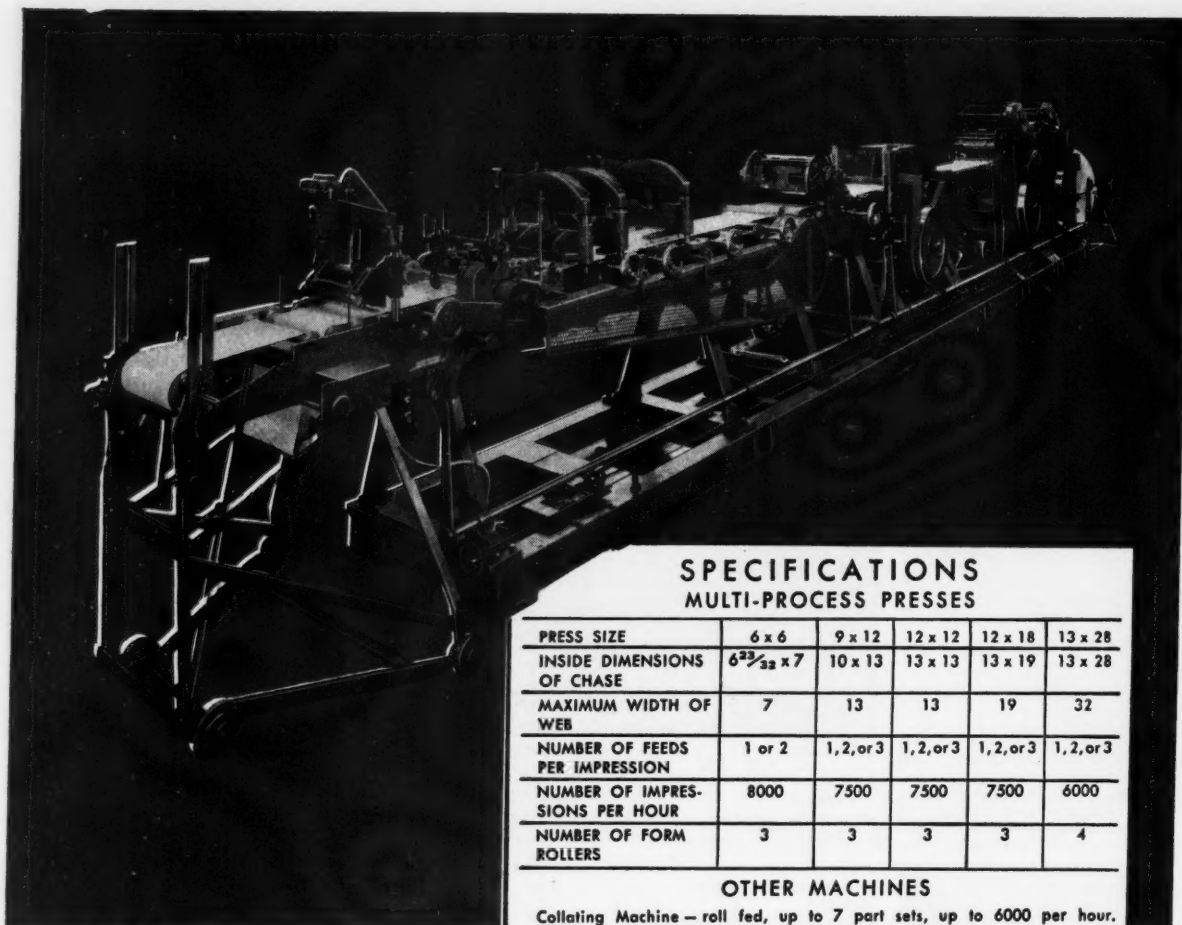
Our Anilox* inks for aniline printing provide opacity where it's needed on transparent package materials. They're 100 per cent pigmented and highly lightfast.



Our Vapolith* inks for web offset presses set instantly with heat. Vapolith inks for sheet-fed presses dry without heat in one to five hours, produce brilliant color.



IPI has everything for lithographers—finest offset inks and complete line of litho supplies—IPI Tri-Metal Plates, blankets, textiles, chemicals, miscellaneous.



SPECIFICATIONS MULTI-PROCESS PRESSES

PRESS SIZE	6 x 6	9 x 12	12 x 12	12 x 18	13 x 28
INSIDE DIMENSIONS OF CHASE	6 ²³ / ₃₂ x 7	10 x 13	13 x 13	13 x 19	13 x 28
MAXIMUM WIDTH OF WEB	7	13	13	19	32
NUMBER OF FEEDS PER IMPRESSION	1 or 2	1, 2, or 3	1, 2, or 3	1, 2, or 3	1, 2, or 3
NUMBER OF IMPRESSIONS PER HOUR	8000	7500	7500	7500	6000
NUMBER OF FORM ROLLERS	3	3	3	3	4

OTHER MACHINES

Collating Machine — roll fed, up to 7 part sets, up to 6000 per hour.

Tabulating Card Press — for machine record cards 3¹/₄ x 7³/₈, 3¹/₄ x 5¹/₂, 15,000 cards per hour.

Carbon Paper Folding Machine — processes carbon paper for zig zag folded continuous forms up to 6000 per hour.

THE NEW ERA MULTI-PROCESS PRINTING PRESS



MANUFACTURING CO.,

375—11th Avenue, Paterson 4, New Jersey

The New Era Multi-Process Press is a flat-bed web type press that will turn out various combinations of printing and finishing operations in a single fast run. It prints any number of colors, on one or both sides of the web, from small forms — type, electros, plastic or rubber plates. No curved plates are needed.

Tickets, labels, checks, display cards, tags, unit sets, office forms, match book covers, cartons, and countless other specialties are printed from automatically fed roll stock — cloth, paper, board — in weights from onion skin to .050 board. Operations which can be handled: printing, perforating, punching, slitting, numbering, die-cutting, scoring, reinforcing tags, putting on metal eyelets. Finished product can be delivered in sheets, re-wound, or zig-zag folded. Good distribution, uniform impression, simple register control, and minimum make-ready are features of the New Era Multi-Process Press. Also an excellent press for general commercial printing.

FREE BULLETIN — For a complete description of the New Era Multi-Process Press write for Bulletin 11. It's FREE.

Ⓜ 6172

PLAN FOR QUALITY



"After every detail has been carefully worked out to develop a technically perfect picture, the reproduction should be planned and executed with equal care — usually on genuine coated paper."

Tony Venti

The printing you produce today may last
for years. Plan it so that you'll always be proud of it.

THE MARTIN CANTINE CO.
Coated Papers exclusively since 1888
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Cantine's Coated Papers

Send specimens of all work you produce on Cantine Paper to THE CANTINE AWARDS, 345 Madison Avenue, New York 17.

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experience

For almost a hundred years, Cottrell press-building experience has contributed immeasurably toward bringing the perfection of letterpress printing within the reach of more printers and their customers.

Cottrell's long understanding of printers' problems has resulted in the development of two- and five-color high-speed rotary presses which are capable of most economical operation in today's competitive market.

Such economies come from the use of accurately curved plates that fit the cylinder perfectly; spirally grooved cylinders with rapid register hook system for quick plating and lockup, as well as the efficient convenience and accessibility which cut down starting time and maintain continuous operation.

Write for full particulars. Let us show you the profit-building possibilities of Cottrell presses for your business.

C. B. COTTRELL & SONS CO.

Westerly, Rhode Island

Claybourn Division, Milwaukee, Wisconsin
Sales Offices: New York, Chicago, London

Photograph shows group of five-color presses going through our Milwaukee plant.

J. L. Frazier, Editor

The Inland Printer

Production Around the Clock No Guarantee Of Minimum Trouble and Maximum Profit

By Randal Savery

EASTERN EDITOR

● "ONE WAY in which printing costs are kept low is by making the maximum use of the industry's machines," remarked a member of the British Letterpress Printing Productivity Team after a tour of United States plants and observing this country's appreciation of high production advantages. "Here (in the United States) it is the rule rather than the exception," he continued, "for more than one shift to be worked and whenever possible the machines are kept running all round the clock. . . . I think we in England have got to realize that the role of the machine is to produce."

The policy of "sweat the machine, not the man"—replacing the machine with a new and improved model when the old one is worn out—made a deep impression on our visitors. The team returned home commenting upon the American engineering approach to printing and this country's constant search for the absolute maximum efficiency, quality, and economy.

The Problem Is Not Simple

Have you considered the advantages of a plant operating on a multiple shift basis?

Say the volume in any particular plant has reached the point where it is straining day shift facilities. Say the sales force is on the beam, confident of bringing in more volume. Why not set up one or more additional shifts to handle the situation?

Finding a practical answer to that question of multiple shifts is not a simple matter. The problem is deceptive, because at first glance it would seem to be merely a matter

of sufficient volume of work to support more than one shift, and the hiring of crews to work them. Any printer who has explored the subject knows this is only a start. From there on, the questions and problems pile up, until about the only sure thing that can be said is that operation of multiple shifts should be carefully analyzed and charted in detail before it is undertaken.

Need Long-Run, Contract Work

In talks and correspondence with a number of eastern printers, certain basic points are revealed that may help in clearing up at least a portion of the questions involved. These printers included some who have successfully maintained multiple shifts; others who have tried it and run into trouble; still others who, after carefully weighing the pros and cons, have decided against it. Out of this range of experience and opinion there comes agreement on several points. In general, they are as follows:

A good proportion of long-run jobs, including contract work, is considered as well-nigh essential for the profitable operation of multiple shifts.

Very rarely does a plant producing chiefly in the field of short runs, and particularly quality work, find itself able to operate more than one shift successfully.

Key considerations include availability of competent supervisory and crew personnel; questions of night makeready, color matching, the cus-

tomers' okays, and access to out-of-plant supplies and services which may require change or attention as a night job progresses.

The biggest factor in limiting a multiple shift operation is the availability of workers. "There are too many skilled workers who simply will not work a night shift," stated one plant superintendent. "We find it difficult to retain a skilled night side crew."

The big potential asset in multiple shift operation lies, of course, in obtaining increased volume without adding to equipment; plus the fact that fixed overhead and administrative expenses do not increase proportionately with addition of extra plant shifts. In other words, up to a point, you are getting more production without increasing certain of your basic costs.

Plant Must Decide for Itself

Means of attaining this desirable objective are summed up in these words by one printer who has had long, varied experience with multiple shifts: "The nut of the problem is answered by the necessity of producing large orders with continuous operation on costly equipment and to obtain big volume in a limited time. Between such an operation and various lower degrees down to made-to-order job work, is a very long step, one which each management must figure out for itself. It isn't a very difficult problem to weigh labor costs, overhead costs, and do a little trial and error experimenting without a terrific loss. That is something for each plant to do for itself."

One printer with a combination letterpress-offset house, states that there is nothing he'd like better than to run a night shift, but hasn't found a satisfactory way to do it with the kind of work his company produces—mainly short-run jobs in the quality field. He acknowledges inability to solve such problems as night makeready and employment of night shift men and supervisors of the caliber that he considers necessary for his plant.

Another printer has never convinced himself that there are any particular advantages in multiple shifts. The farthest he goes is an occasional skeleton second shift to take care of overflow peak volume.

Representative Experiences

These two instances are cited to emphasize—if emphasis is necessary—that operation of more than one shift is much more of a project than meets the casual eye. With that in mind, let's look at the experiences of a few representative plants which maintain multiple shifts.

One of this country's largest printing plants prefers to work its employees two 10-hour shifts. When three shifts are necessary, the ratio followed is 5-3-2 (five people on the first shift, to three on the second, to two on the lobster shift).

The advantages of the third or lobster shift are said by some plant managers to work out better in theory than in practice. You need one more production supervisor than you had for the second shift. Night work carries a higher wage scale and often premium pay is required over the scale in order to work a skilled crew plus reduced work hours. Add to this a shortage of skilled workmen in the industry.

Judd & Detweiler, Washington, D. C., operates two full shifts and a reduced third shift for its publication production; two full shifts for its commercial department. Even though these two departments are regarded as separate units, personnel is exchanged, when necessary, to accommodate slack and peak periods. For example, when commercial production eases in the summer, excess help in that department can be absorbed in publication work through vacation replacements.

John H. Davis, Jr., production head at Judd & Detweiler, outlines their operations this way: "Our experience has shown that in large scale magazine production, the most economical operation consists in having the press equipment capable of meeting normal schedules without

use of a full third shift. We have a reduced number of crews for the third shift period, and by shuttling these crews from press to press, we satisfy schedule requirements, hold overtime to a minimum, and provide a safety factor. In assigning third crews, we attempt, wherever possible, to keep these crews on presses which have already begun their press runs in order to confine our makereadies to two crews only."

In regard to the commercial pressroom, Mr. Davis states: "We have only two crews. In abnormal peaks

Expense Items Affecting Budget	Rent and Heat
	Insurance
	Taxes
	Obsolescence
	Light
	Power
	Spoilage
	Supplies
	Maintenance
	Repairs
	Machine Metal
	Waste
	Gas
	Proofreading
	Wages
	Wages
	Provision for
	Foreman
	General Factory
	Social Security
	Taxes

Many of these overhead expense items are not increased by adopting multiple-shift operation

we work two twelve-hour shifts for each period without additional supervision, and do not have to carry third crews during slack periods. We determine our expected peaks by a review of previous yearly periods and by consultation with salesmen as to their anticipated jobs. Such consultations, together with a study of actual productive time for both men and machines, compared with possible maximum productive time, set our pattern for the coming months."

The owner of a moderate size plant probably prefers to work his plant two shifts and then overtime on two shifts before ever considering a third shift. If he has two presses and then works them overtime on a shift, he is operating in

effect with one-third more presses. If he has four presses working overtime as above, he again has one-third more presses in operation. Why buy additional equipment that does no more for you per press?

Operation of two or more shifts is a basic part of production principles at Guide-Kalkhoff-Burr, New York City. These principles call for full utilization of efficient, up-to-date equipment for as many hours as possible every day. When Charles E. Schatvet, the president of the firm, thinks of expansion, it is in terms of expansion of volume on existing equipment, rather than in addition of space and number of machines. This means, of course, the use of multiple shifts.

"No Idle Capital Investment"

In two plant moves during the past ten years, an overhauling of production operations was undertaken. The policy of maintaining spare equipment that might be obsolete or inefficient, and only used occasionally, was done away with, as well as the practice of calling in extra peak period personnel.

Mr. Schatvet explains it this way: "We concluded that our best spare equipment was our regular equipment manned by our regular people, either heavier on the day or night sides, or clean through a lobster shift and around the clock. That's the sort of peak load equipment that pays its way—no rent, no depreciation, no unusual maintenance and repairs, no idle capital investment."

Multiple shift operation is conducted in all departments at Guide-Kalkhoff-Burr—composing room, pressrooms, and bindery. Broadly speaking, each shift produces as a unit, self-contained as far as practically possible in matters of supervision, okay, and succeeding operations. This objective comes closer to realization in the composing room and the bindery, according to Mr. Schatvet, than it does in the pressroom. Some jobs, even if made-ready at night, require top supervisory day-side okay before the running. Publications, which comprise twenty-five to thirty per cent of G-K-B volume, lend themselves readily to multiple shift production. With the advantage of regular personnel and supervision on the night shifts, it has been found that a satisfactory percentage of the commercial work also can be handled outside daytime hours.

Edward Stern & Company, Philadelphia, works two shifts. Experience there has resulted in a decision

that the best operation is a full first shift and an eighty per cent second shift, the second shift being very flexible with crews who are able to operate any of the presses. Through necessity, the company operated a third shift during the war, but in normal times it is found more economical, at rush or peak periods, to run two ten-hour shifts and pay for eleven hours on each, rather than run three shifts for a total of twenty-two and one-half hours, and pay for twenty-four.

Joseph F. Matlack, Stern's manufacturing head, lists the following advantages in second-shift operation: Quicker recovery of investment in the machinery, permitting up-to-date replacements more frequently; acceptance of "filler" business which cannot be accommodated

shift on a very small scale. Choose a department, preferably your platemaking department, if an offset plant, or pressroom, and operate a skeleton second shift for a short period. The experience you gain while operating your skeleton force, will help tremendously when you build up to the ultimate—that is, a complete day force and an extremely dependable, capable, and flexible eighty per cent second shift."

Night Personnel No Problem

Two full-running shifts are operated at Blanchard Press, New York, plus a nucleus lobster shift that can—and possibly will—be developed to full status. Blanchard is predominantly a publication house, at least eighty per cent of its volume falling in that category.

shifts than it is for days. Many men like night work, with its higher pay scale and the opportunities for free daytime hours. We rank our night supervisors equally in ability and authority with our day foremen and superintendents. Multiple shift operation should mean just that in every respect; each shift manned, supervised, and equipped to do a job on its own. A plant gets in trouble, and, to my mind, deservedly so, when it gives the additional shift a 'lame-duck' status. As a matter of fact, we carry this principle of individual shift operation through to the logical point of maintaining a regular night shift production department."

This carefully systemized plan of multiple shifts permits Blanchard to deliver regularly on a heavy, tightly meshed schedule, having sufficient flexibility to take care of any normal increases in the volume.

Advocates Using Common Sense

Many years of practicing study of the multiple-shift operation have given Ralph Duenewald, president of Duenewald Printing Corporation, New York, an experienced viewpoint on the matter. He hesitates to generalize, because he believes that the situation and problems confronting any one plant are not ever completely duplicated in others. In his opinion, use of plain common sense in approaching the question of multiple shifts is the most important factor. And he adds that his own occasional lack of this quality in the past has caused him trouble and expense.

In addition to mechanical, production, and personnel considerations, Mr. Duenewald emphasizes that each plant manager, in making his decision concerning additional shifts, should analyze such things as location of the plant, the labor market, classes of work, and other individual factors. He also warns against "growing into" multiple shift operation as a line of least resistance without specific planning. He believes that the nonprofitable, or outright failures, of the multiple shifts frequently are due to a lack of proper analysis of cause and effect.

Mr. Duenewald points out that although a multiple shift may become necessary because of increased volume of work, it is his experience that it becomes profitable only when the jobs are long run—either commercial or publication. In this connection, he says: "The first necessity for successful multiple-shift operation is a steady volume of large editions. Large, profitable, commercial accounts, which often require quick



* Budgeted Factory Hour Costs

	DAY SHIFT	2-SHIFTS
Slug Casting Machine (with Proofreading)	\$ 5.98	\$ 5.75
Kelly No. 2, 24" by 35"	4.80	4.58
Miller Major, 27" by 40"	5.66	5.12
Miehle No. 5/0 Sp. MF, 46" by 67½"	8.29	7.60
Miehle No. 6/0, 46¼" by 69½"	12.85	11.37

* Figures published in Bulletin No. 166, Graphic Arts Association of Illinois, Incorporated

36½ HOUR WEEK

Hourly costs are cut by second shift. Savings basically depend on the type of work done by plant

on a one-shift basis; reduction of operating costs through spread of overhead charges, increase of profits on materials, reduction of stock-handling costs, and an increased volume; reduction of amount of capital tied up in space and equipment.

Hazards in multiple-shift operation, in Mr. Matlack's opinion, stem chiefly from the difficulty of obtaining desirable personnel, particularly supervisors, and in setting up a production pattern that must continue through the second shift without direct follow-through. Along with these difficulties, he adds, is the possibility that the quality of work performed on the second shift may suffer.

Mr. Matlack's advice to printers contemplating a second is this: "If your one shift is operating at full capacity, and you find your sales potential requires more hours; if you are losing jobs because of schedules; or if you find you are falling behind schedule work, start a night

Contract publication work is, of course, admirably suited to multiple shift operation. Schedules can be made up well in advance; proper equipment and personnel assigned to each job with the knowledge that the work will be forthcoming at regular periods.

Generally speaking, there is no change-over of Blanchard personnel from shift to shift. A man is hired or assigned on the basis of day or night duty, so that in most cases crew members are working the shift they prefer, or at least one they voluntarily are willing to work. When an opening occurs on any of the shifts, the man who may wish to change is given, whenever practical, first call on the job.

Francis N. Ehrenberg, executive vice-president for Blanchard, claims to have found no unusual problems in filling night shifts with competent personnel. "It has been our experience," he says, "that it's no more difficult to find good men for night

accounts, which often require quick service, may make multiple shifts valuable. A large percentage of black-and-white work will also make it easier to operate a successful multiple shift, since problems of color, ink, register, and so forth, do not arise. In the event that the volume of work decreases and you do not feel it advisable to sacrifice your multiple-shift plan immediately, you should try to plan your jobs so that the longer editions are run at night. The ideal time to makeready is during the day. Colors can be matched better, people are more available for okays, executives are easier to locate, and if trouble develops with ink or paper, problems can be solved with less loss of time."

The production department and the supervisor contribute a great deal to the success or the failure of multiple shifts, in Mr. Duenewald's opinion. "Unless you have extremely competent supervision and a very capable production department, you are in no position to employ multiple shifts. Ideally, supervision at night should be more experienced and also stricter than day supervision, and this is seldom the case. Production follow-through upon a night shift should be done very thoroughly and as early as possible the next morning. Only in this way can the damage of possible faulty night work be repaired."

Mr. Duenewald sums up his viewpoint thus: "I am, unfortunately, in

a position to speak from experience when I say that unless a printer can fulfill the necessary requirements of classifications of work, planning of work, volume expansion, supervision, and production quality, he is foolish to attempt multiple-shift operation on the basis of a few good months of business and profit."

At the sixty-fourth Printing Industry of America convention held

Clear the Decks for Action

1. Check all paper stock. Make sure every lot worth saving is inventoried. Get rid of all others. Arrange orderly storage away from traffic. Label each lot clearly.

2. Go over all type storage racks. Pull proofs of standing matter that may not be needed for repeat orders. Enlist the salesmen's help in setting aside for break-up all matter for which there is no assured future use. Proofs sent to customers might stir up repeat orders.

3. Make sure that compressors are free of spray dust, grit lint. Clean filter pads, check the oiling points, empty drip cans.

4. Get rid of hazards to personnel and property such as rags and scrap paper. Cover waste receptacles and ink cans.

5. Thoroughly inspect all of the wash rooms.—*New York Employing Printers Association.*

recently in Chicago, the pressroom clinic discussed the operation of multiple shifts. One suggestion made was that the best supervision be placed on the night shift. The general consensus of opinion was that the most important makeready be done on day side and the third shift be used to run off the jobs. It was the observation of one member that many people would rather work at night than during the day in metropolitan areas. The long weekend from Saturday morning to Monday night is relished by many. He recommended that help-wanted advertisements specifically identify the shift on which the worker to be hired will work. It was pointed out that the scale differential in some cities mitigates against the three-shift operation.

When you operate on a multiple shift basis you improve on your ability to meet the date on which the job is required. You do not have to build a bigger plant to handle increased business as you probably would were you operating solely on one shift. Every printer seeks lower cost production as he competes with other printers for quality, service and price. He not only has to meet competition but also to cut the cloth of his printing work to fit his many clients' requirements. His desire is to produce the best product within a given price range—and he is operating in an industry where the margin of profit is admittedly small.

Wrinkle loses the round

By Joseph Kovec

Wrinkles on that printed sheet will always make good material to write about and there will be a lot more written after this boy has gone to his reward. We find one every so often that gives Mr. Pressman a very pessimistic outlook on life. It often makes one think, "Why does it have to be me?" for after all just what did he do that brought him this kind of a hook-up? After he has everything in shape (brushes, bands, grippers, makeready) all in the best of adjustment, he is ready to go ahead. Just about fifty sheets or so are run and Mr. Wrinkle comes into the picture.

This should not be so tough. There is plenty of margin to work on, so he gets the knife out and cuts a few pieces of card strips to fit into those margins and paste or glue will hang them on

good and then starts the press once more and the wrinkle does not show—the first twenty-five or more impressions. When it does appear, it is not quite so prominent. So he gets busy and doubles up on that card strip in the margin and this does the trick for the time being.

Then he gets a new load in the feeder and it starts out like everything is as good as ever but not for long. That dirty So-&-So is back there again after all of that work on the packing??? What now? Once more a lot of thoughts fly up like the foam on beer. Let's turn that load around and sure enough. That lousy wrinkle disappeared. That is what he had to contend with for

about 1800 or more hours of running time. Everytime that wrinkle appeared we would check the stock on both ends and we found a difference of one thousandth of an inch in thickness. This also made it impossible to keep an even color on the job as the finish of that sheet varied too much.

Then we ran into another one that should make a pressman very happy. This one on a very thin sheet of label stock, yellow-coated, and blue ink to print blue over yellow—very good quality ink. Heavy borders on two-up run on a small B Kelly Press 17 by 22. This was another So-&-So. We cursed plenty before we got wise, but that old persistence and bull dog don't give up stuff won out once more. A little dope in that ink to soften it up some and there you are. Let's relax.

OFFSET

Color Control by Instrument?

By Charles F. King

● THE NUMBER of people who constantly crowded around the booth of the National Printing Ink Research Institute at the recent Graphic Arts Exposition in Chicago is indicative of the number of printers and lithographers who are interested in instruments which can be used to improve or control quality of their printed products.

Although there were several pieces of equipment upon display in this booth, none attracted as much attention or excited the curiosity of the onlookers as greatly as did General Electric's recording spectrophotometer. To most, it was a brand new type of instrument which, through some magical process, automatically drew a curve on a piece of graph paper. This curve, according to the demonstrator, described the color of the printed specimen which had been placed in the machine. In fact, he stated that it might even show exactly what pigments were used in formulating the ink with which the print was made. Furthermore, it was a permanent record of the color which could be filed away, and since it was a graph of the color and not the color itself there was no danger of fading, age, or any other factors affecting it in any manner. Thus it could be used as a permanent standard, and any color made at any future date with an identical curve to the standard would be identically the same color as the standard was on the day that the original curve was drawn—no matter how much later.

Exact Color Control

To all those who have been required to match copy messy from too much handling on previous runs, or affected by the deteriorating influences of age, this machine would appear the answer to their problem. Also, it should eliminate any question in the minds of foremen or superintendents as to whether the print matched the copy. If the curves were identical, copy was matched. Likewise it would appear that a

buyer of printed matter could supply a curve of the color he required rather than a color swatch and demand that the print be identical with the curve.

In a recent article in these columns the importance of exact color control in the field of packaging materials was pointed out, and it is only natural that an instrument such as this would appeal to purchasers of this class of printed matter. In fact some of them are at present attempting to use the spectrophotometer curves in exactly the manner described above.

Physical Properties of Color

In view of this fact, and interest which was shown in the instrument at the exposition, the following discussion attempts to describe the way in which the curves are produced, their meaning, and their adaptability to printing production. In order for a person to understand how the machine draws the curves it is not necessary to comprehend all of the theory of optics exemplified in its construction. Nor is it necessary to be familiar with the electronics involved in making it function. There are, however, a few points concerning the physical characteristics of color with which every user of color should be familiar regardless of whether he is interested in this instrument.

Nearly everyone who has, even to a small extent, investigated the question of color has become aware of the fact that white light contains all colors in approximately equal proportions. Most of us have heard how a beam of white light entering one side of a triangular prism is broken up into all the colors of the rainbow, and in exactly the same order, too. This phenomenon has been illustrated in most of the books dealing with color and has even been shown in advertisements and articles in popular magazines. Light is generally explained as a wave motion; differences in color are attrib-

uted to differences in wave length. The visible part of the spectrum can be said to begin with the violet which has a wave length of 400 millimicrons (0.000000025 inches equals 1 micron) extending through the blue, green, yellow, orange, and red to a wave length of 700 millimicrons.

An object can be seen only because it is either a source of light, or because it reflects or transmits light from some other source. In the case of most printed matter only reflected light must be considered. Inks (with some very special exceptions) owe their coloring to their ability to absorb certain wave lengths of light while at the same time reflecting other wave lengths.

The recording spectrophotometer was designed by Dr. Hardy of Massachusetts Institute of Technology to measure the reflecting ability of a specimen for each wave length from 400 to 700 millimicrons. This is accomplished by breaking up a beam of white light by means of a prism. While the test is being made the prism turns so that light of each of the different colors falls on the specimen to be tested. At the same time a portion of the same colored beam also falls on an equal area of a standard white substance (magnesium oxide). This difference in the reflectance between the standard white and the colored sample is picked up by the electrical circuit and automatically balanced out to give the percentage of the total light which is reflected by the specimen.

Movement of the Drum

The graph paper on which the curve is drawn is placed on a drum directly connected to the same driving equipment employed to turn the prism. As the prism revolves to throw the various colors of light on the standard and the sample, the drum turns in such a manner as to place the point of the recording pen at a point on the graph paper which exactly corresponds to the wave

length of the light falling on these objects. The lateral motion of the pen is actuated by the electric circuit which measures the reflectance. Thus it draws a smooth curve which represents the percentage of each wave length of light reflected by the sample. The whole operation of making such a curve only takes a matter of a few minutes and is as completely free from human error as it is possible to make anything.

Figure 1 shows the curve of a process red made by the spectrophotometer. Since some buyers of printing are actually attempting to use the curves made by this instrument, and since attention was called to its use in the industry at the Chicago exposition, all those concerned in any way with color control should obtain at least a general understanding of the meaning of these curves. Likewise they should be familiar with the difficulties which can be encountered in attempting to use them as standards and for control purposes.

To put it bluntly: If such a curve were submitted by a customer instead of a piece of printed copy or a color swatch, what would it mean? In most instances it would mean absolutely nothing. Since lithographers often do their own color matching from base inks, could the lithographer match the color wanted from the curve? Could the printer turn the curve over to his inkmaker and be assured that an ink which would print the correct shade would be delivered? It is not possible to use the curves in this manner.

Furnish Two Curves

There are only a very few ink-makers who have these instruments available, and although an ink manufacturer may be thoroughly experienced in the use of this equipment and be able to produce an ink which will duplicate this curve, there can be no assurance that this ink will produce a duplicate curve when printed under shop conditions. The resulting curve is influenced by the color of the paper, its transparency, the smoothness or roughness of its surface, its absorptive characteristics, perhaps even its moisture content, and characteristics not as yet determinable. It could also be influenced by the vehicle and drying components of the ink; the speed, size, and type of press; and the most obvious of them all—the amount of ink carried.

In order to circumvent the last of these irregularities, attempts have been made to furnish two curves

which represent the maximum and minimum color variations permitted. These curves practically parallel each other at all points and therefore represent a lighter or darker shade of the same color as the standard. As pointed out in the previous article (concerning the requirements

enough to be easily recognizable by the pressman. With modern high speed equipment, any system of periodic examination of representative areas of sheets would be no assurance that tolerances were being adhered to even on a small portion of the job, should these limits be set

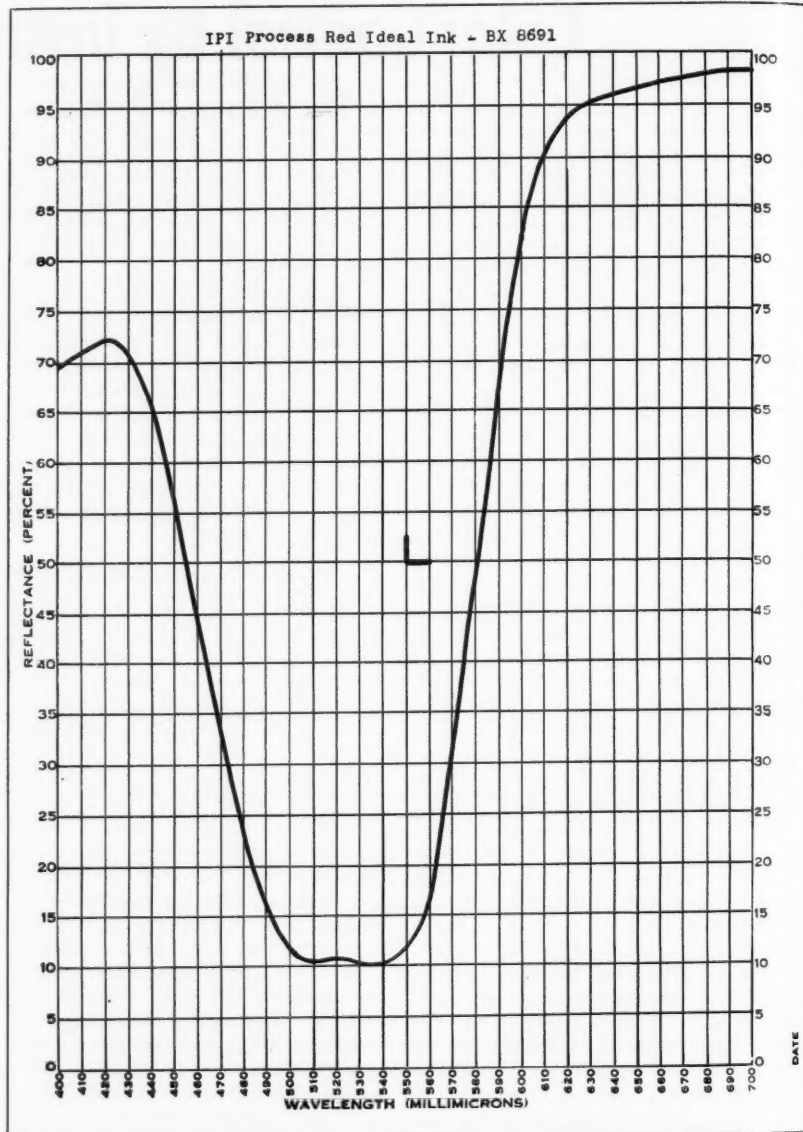


Fig. 1. Spectrophotometer curves representing maximum and minimum color variations in process red

for instruments for color control in production) no device has yet been designed which could cover every square inch of a printed sheet, and until such a time as one has been designed, color control during press operation is dependent entirely on the visual examination of the sheet by the pressman. Therefore, the tolerances set up by such a system of maximum and minimum curves must represent differences in color great

without due regard being given to the human conception of color.

The other troubles encountered in duplicating curves are perhaps less easily explained than the one connected with the volume of ink carried. At least one, however, can be illustrated by an experience of this writer some thirteen or fourteen years ago. At that time this instrument was just being introduced, and General Electric Company displayed

a model at the meeting of a scientific society. After spending considerable time studying the instrument, I returned to the shop to be greeted with a problem. On one of the big flat-bed Miehle letterpresses there was a job which was practically solid color. On the front end of the sheet the press was printing one color, and on the back end it was printing an entirely different color. It was definitely not one of those cases found in flat-bed operation where there is more ink on the end of the sheet printed by the part of the form closest to the ink fountain, but instead there were two colors at either end of the sheet and they blended off into each other at the center. Remembering the G. E. machine's ability to analyze color, I immediately picked up some of these sheets together with the proofs of the job and headed back to the instrument. The demonstrator ran curves on the proofs and from various portions of the printed sheets. These curves showed that somewhere on the press the ink was separating and one of the colored constituents of the ink was being transferred to the front of the sheet while the other was being carried to the back end. Characteristic curves of the pigments used in the ink were later run and this confirmed exactly what had taken place.

The Distortion Problem

Quite similar conditions have been found to exist on numerous other occasions involving flat-bed operation, and in rotary letterpress and offset lithography a similar condition has been observed. Reflectance curves with quite different characteristics can be obtained from prints taken from the center and the edges of sheets run on large presses (this center to side, not front to center, or center to back). This was shown to be caused by a separation of component parts of the ink on the distribution rolls on the press. Thus although an ink can be made which will reproduce the curve of the standard there is no guarantee that it will do so even over the entire area of one sheet. As can be observed from the above illustration, the instrument does have some very valuable uses in the graphic arts, but they are outside the field of routine control of press production.

Of the difficulties encountered in reproducing curves, one rather obvious one has been observed by this writer, but he has never seen any mention made of it. The transparency of the paper or even irregularities in the formation of the sheet

are enough to distort the curve considerably. The reason special mention is made of this is that at least one purchaser's specification calls for backing the printed sample with black velvet. When this is done and curves drawn, colors which otherwise appear identical show variations outside allowable limits.

It's a Quiz

Answers to these questions have appeared in *THE INLAND PRINTER* and other sources of information at various times. How retentive is your memory? How many can you answer without consulting the answers on page 79?

How's your knowledge of graphic arts history? The following questions were selected from August and September issues of *THE INLAND PRINTER*:

1. The first "era" of printing was obviously that of the Gutenberg hand press in 1450. What were beginning dates of the power press era and resultant self-fed press era?
2. The first to make zinc etching was a Frenchman, German, American, or an Englishman?
3. Who was first to use the halftone screen, which is most important in photomechanical reproduction?
a. Ives b. Levy c. Horgan
4. The first commercial printing ink maker started his business way back in
a. 1555 c. 1755
b. 1655 d. 1855
5. American papermaking began before—or after—the Revolutionary War?
6. The first style type face to be cast was Old Style—or was it Gothic Blackletter?
7. Years after Senefelder lithographed from stone in 1796, new impetus was given in offset-lithography when rubber was used. What was the year?
a. 1805 c. 1905
b. 1865 d. 1925
8. When was the point system finally adopted for American type faces?
a. 1750 c. 1805
b. 1790 d. 1885

To explain many of the other difficulties encountered in adapting the instrument to routine plant control problems would require delving into technical discussions out of keeping with this type of an article. However, when one considers that the curves drawn by this machine are the most desirable means of preserving a record of color standards, it appears that every effort should be put forth to find ways of making them applicable to printed matter. This means studying the causes of the variables noted above and finding ways of making color standards which could be duplicated and still be useful for visual comparison while the job is on the press. Even when this has been done, the spectrophotometer will still be an analytical and research instrument rather than a production control instrument.

Photovolt Model Used

Another instrument which has received rather general acceptance is the Photovolt Model 610. Instead of measuring the reflectance of light from a prism, filters are used to project the various colors of light onto the print. Some buyers of printing are at present specifying colors in terms of readings on this instrument. Regarding this instrument there is at present some misinformation in rather general circulation throughout the industry. It is claimed by some that colors do not change appreciably—or the readings which the meter gives do not change—as an ink dries. They do change in some cases and they may become darker or they may become lighter, depending on the color. This is confirmed by the readings taken when the ink is wet and when it is dry. Furthermore, transparency and formation also affect these readings as they did in the case of the spectrophotometer.

Dearth, Van Den Akker, and Wink of the Institute of Paper Chemistry made a study of the instrument to determine its suitability in determining brightness of stock. Even though many of their findings published on pages 85A to 90A, TAPPI, Volume 33, Number 10, October 1950, concern only its use for this purpose, their analysis can be applied to its use as a color-control instrument. For example, they found that although it was said that the instrument measured only dispersed (diffuse) reflection since the specular reflection is returned through the aperture in the lens, the use of an automobile headlamp bulb with a rather large filament area instead of

a near point of light made this not completely true. As a result, gloss becomes a part of the measurement of the color and glossy samples of the same color will read higher than dull samples. This probably accounts in part for the differences in readings between wet and dry prints.

Another source of error in readings given by instruments is the result of fluctuations in the electric current. Although the instrument contains a constant voltage transformer, this doesn't compensate for changes in frequency of the line current. According to the findings of these workers, "Even on a relatively well controlled line, where frequency is maintained within approximately ± 1 cycle per second, fluctuations of at least ± 15 per cent may be expected as ordinary."

The authors of the article in TAPPI found that for their purpose they were not able to use the filters supplied with the instrument, and when they attempted to use others, the intensity of the heat put out by the lamp quickly destroyed them. This heat can also give trouble when the filters furnished with the instrument are used. They noted that for reproducible results the instrument should be warmed up for a period of a half an hour before using. If filters are left in the instrument for this length of time in order to make sure that the meter has become stable, the heat will crack them (as I can testify. I'm on my third set.)

Instruments' Shortcomings

Since these meters are in service in a number of printing plants, users should be aware of their shortcomings. They do lend themselves easily to use as control instruments and in some shops pressmen use them right on their inspection tables. Some have learned to adjust the keys on their fountains and put on or take off notches entirely from the readings which these meters give, but they cannot be completely depended upon. They are exceptionally valuable where a small solid area is surrounded by white or some other color and is supposed to match a large solid area on another part of a sheet. This often occurs when a sheet is folded to form a double spread. In such cases a pressman's eyes can fool him badly but the readings on the instrument can be made to match and the color will match very, very well.

Again, as in previous discussions, at times instruments may be an aid to better craftsmanship, but never a substitute for it.

Define Customer Satisfaction When Drawing Up Contract

By Albert W. Gray

● A CONTRACT FOR the manufacture and delivery of a printing press was made by a firm in Louisville, Kentucky. The agreement contained the stipulation, "If said machine is not satisfactory it is to be returned free of expense to the purchaser."

The press was delivered. Its performance was not up to anticipations. Three months later it still failed to operate properly. "The press sent us has never delivered satisfactory work," the buyer wrote to the manufacturer, "and we are inclined to believe it never will as it is now constructed."

Later the manufacturer sued to recover the contract price of \$3,262. In its defense the printing firm set up this contract provision that if not satisfactory the press was to be returned.

Holding the printing company not liable for payment under the provisions of this agreement, the court said that while it might be that the manufacturer was injudicious and indiscreet in undertaking to furnish a press to be paid for upon the happening of a contingency so hazardous or doubtful as the approval or satisfaction of the buyer, it assumed that risk.

"Against the consequences of its own bargaining the law affords it no relief. Having voluntarily assumed the obligation and risk of the contract, the seller's rights are to be ascertained and determined solely according to its provisions."

The authority adopted by the Kentucky court for this interpretation of the contract was a previous decision by the Supreme Court of Michigan relating to the purchase of a grain binder for farm use under a contract that, "The binder is to do good work and give satisfaction and if not, the buyer is not to pay for use of the same."

After harvesting about ninety-five acres of grain, the farmer decided that the binder did not give satisfaction and refused to pay.

Holding the farmer was within his rights in refusing payment, the Michigan court pointed out here that something more was required under such a contract than that the binder should merely work properly.

"Why," concluded the Michigan court, "should it be said when the bargainer has received the right to elect whether he be fully pleased or not, that he is bound to be pleased if another reasonable or intelligent man is pleased with the work of the machine? He had the option to accept or reject the binder according as it gave him satisfaction or not."

A few years ago the Wynkoop Hallenbeck Crawford Company, a New York printing firm, made a contract with the Western Union Telegraph Company which wound up in the courts. Included in its provisions, the printer was to be paid at the cost of production plus a percentage of profit. In relation to the computation of cost, the contract contained this clause, "The phrase 'cost of production' shall be understood to mean the printing company's actual cost of labor and material, including an amount of the administrative and of overhead charges attributable to the performance of said agreement that shall be satisfactory to the Western Union Telegraph Company."

"Under settled principles," said the New York court deciding in favor of the telegraph company, "the contract phrase 'satisfactory to the company' is to be read, not as a stipulation for what a court or jury would pronounce satisfactory to a reasonable man, but literally as meaning satisfactory to the company personally."

For three-quarters of a century and more the courts have struggled vainly to establish a uniform definition of this weasel-like word. In some instances it has been held to be the satisfaction of that fabled reasonable and prudent man; in others it is the standard of satisfaction that might be determined by a court or jury but more often it has been the satisfaction of the other party to the contract.

Long ago a sculptor in Connecticut undertook to make for a widow a bust of her deceased husband and agreed that she should be under no obligation to pay if the work failed to be satisfactory to her.

When this bust was finished she was not satisfied and refused to pay.

The sculptor sued. Holding that under such a contract the sculptor could not recover, the Connecticut court summarized the law in relation to the ill-fated use of this word and that summary has been generally adopted by courts throughout the country.

"It is not enough to say that she ought to be satisfied with it and that her dissatisfaction is unreasonable. She and not the court is entitled to judge of that. The contract was not to make one that she ought to be satisfied with but to make one that she would be satisfied with. It may have been unwise in the sculptor to make such a contract but having made it he is bound by it."

The interpretation of this same term came before the United States Court of Appeals only a few months ago in an action involving the construction of sewer mains at Oak Ridge. In that contract was the clause, "This agreement may be terminated by either party on five days' notice if it proves unsatisfactory."

The contract was cancelled. The contractor sued for the profits to which he would have been entitled. Here the federal court made what is probably as clear a definition as is possible of the judicial interpretations of this term. Its statement serves to highlight the ragged outlines that should outlaw the term from any printing contract.

"There is a conflict in the authorities as to the meaning of the term 'satisfactory' so used in a contract. It is held perhaps by the weight of authority that where such a term appears in a contract the party in whose favor it was reserved has the absolute right to determine the question and to act accordingly—that is, either accepting or rejecting the work, provided his decision is not merely capricious. Other authorities hold that such term is fully met where the work as done should be satisfactory to a reasonable man."



Strength and Dignity Combine In High-Grade Bond Papers

By Forrest Rundell

● **BOND.** A strong, translucent rag or sulphite paper. This definition of a bond is supplied by one of our leading writers on the subject of graphic arts. Probably the specific definition of a bond paper comes from its use for bonds, stock certificates, deeds, and the like in which strength, dignity, and permanence are required. Such papers are made exclusively on a Fourdrinier machine and may contain varied degrees of sulphite pulp from the lowest to the Alpha pulp. Likewise, they may be mixtures of sulphite with rag furnish.

Bonds are usually engine-sized and in the better grades are also surface-sized with animal gelatin. The sizing provides resistance to the spread of moisture, binds the surface fibres, and thus makes the bonds especially suitable for work on the offset press. Also, in the higher grade of bonds, the surface-sizing builds up the characteristic crackle of the highest grade bonds.

In the cheaper grades, which may contain reworked fibres, the surface is generally a smooth machine-finish. Better qualities, up to and including 25 per cent rag, include some fancy finishes, among them laid, cockle, and ripple.

Sulphite papers in the cheapest grade are the standard papers for form work. Their strength plus their low price and general availability makes them the most used for the purpose. In addition, the fact that they come in colors makes them especially valuable for form work.

Let us take the lowest grade of sulphite first, which is generally known as Number Four sulphite bond. This grade has no specific description. Each mill that makes the grade uses its own specifications. The paper has a large content of sulphite pulp, often being made entirely of sulphite. Some mills, however, include reworked stock in the furnish. This reworked stock makes the paper softer and more printable by the letterpress process. However, this quality is not indispensable.

This grade is the largest seller in the bond field. It is not watermarked and is supplied only in plain finishes. It is available in colors; canary, blue, buff, green, pink, and goldenrod.

Next in importance is the Number One sulphite. It is watermarked, almost always with a wire watermark. It is also made in colors with a larger range of colors than the Number Four.

Number One sulphite is used for letterheads as well as for forms. The white has a good bright color and the colors are also brilliant. White is generally furnished in pound weights of 13, 16, 20, and 24.

Number One grades are available in special furnishes containing opacity loading elements which somewhat overcome the tendency of the bond to be transparent. Such opaques come at a slightly higher price than the regular bonds.

Between the Number Four and the Number One are two rather indefinite grades known as Number Three and Number Two. We say that they are rather indefinite because the original distinctions have been abandoned since World War II. In a general way these papers are better looking than Number Four sulphite but not as attractive as the Number One.

In the categories of Number Two and Number Three are included many of the sulphite ledgers. These are similar to the bonds except that they are made smoother and a little stronger. Also they are available in heavier weights, 24-pound to 36-pound inclusive. Additional smoothness is imparted in order to give the smooth writing surface demanded of a ledger. These ledgers are available in buff as well as white.

Number Two and Number Three are made in opaques and in the mimeo bond grade. This latter is a bond which is beaten to give the absorbency needed for mimeo work while at the same time retaining some of the strength of the bond. Antique book papers give greater absorbency for mimeo work but are not suitable for pen and ink signatures as are the mimeo bonds.

Next above the Number One sulphite bonds in appearance are air-dried cockle-finish sulphites. These papers have no advantages in quality over the regular sulphite grades but the addition of the cockle finish gives the paper an effect similar to

that of 25 per cent rag content sheets. For this reason the papers earn a four or five cent premium in case lots. As an addition to their appearance all these cockle-finish papers have a wire watermark.

We have three grades in the rag bonds: 25 per cent rag, 50 per cent rag, and 75 per cent rag content. Of these, the 25 per cent is by far the most popular. These papers all have the wire watermark, being marked by the name soldered to the dandy roll. This watermark not only looks better but also prints better by letterpress than the rubber stamp mark. The papers are dried by the air drying process, which gives them the cockle finish so much sought after for the sake of appearance.

Fifty per cent rag and 75 per cent rag are also used for letterheads and for semi-permanent records. These papers do not have the general use of the 25 per cent grade. It is not clear just what advantage accrues from the use of the higher rag-content paper that is not inherent in the lower grades. All have a similar cockle finish and, except for the watermark, have no distinguishing marks to tell them apart. In the older days paper merchants used to have a saying that the percentage of rag was in direct proportion to the amount of wear and handling the papers would stand. Thus a 25 per cent rag bond would stand up for twenty-five years, a 50 per cent rag for fifty years, while a 75 per cent rag was good for seventy-five years.

These distinctions, however, do not apply to the modern bonds, especially since the discovery of Alpha pulp. There is no proof that well-made Alpha pulp will not last as long as a 100 per cent rag sheet. It simply has not been around long enough for proof. Whether or not 25 per cent rag bond will stand up for twenty-five years is a moot question. Makers have found that all sheets made from sulphite fibres have stood up since such sheets were invented. A good many makers deny that the mere act of adding 25 per cent of rag fibre to the finish adds to its life.

In the category of all rag sheets we find two grades of paper, the Number One and the Extra Number One. There is not much to choose between the two. Both are made from new, hard, white rags which have not been subject to washing before making into paper. The principal difference lies in the work involved in making the two papers.

The making of the Extra Number One rag bond takes at least four hours more in the cooking process

than the Number One. Then, too, the chemicals with which the rags are treated in the cooking process are chosen with a great deal more care in the more expensive brand. After all, the Extra Number One is the best paper the mill can make, while the Number One is simply very good paper. The demand for the Extra Number One is far larger than that for the Number One.

Record Papers Withstand Floods

Some years ago there was a severe flood in Pennsylvania. In the course of the flood, records in the local courthouse were submerged. When the waters subsided, the records were examined carefully. And it was found that those kept on Extra Number One rag-contact were intact. Records kept on cheaper paper were in bad shape, many of them unusable. This episode showed the value of keeping records on the best grade of paper obtainable.

Incidentally, the paper used for United States currency and for government bonds is Extra Number One rag bond. One mill has been making it for a number of years.

The writer has in his home a newspaper of the vintage of 1863. In those days newsprint was made of all rags. This paper is as clean and white as the good bonds of today. The paper was wrapped around some tools and stored in a chest where it was unprotected from the weather. Its present condition is ample proof that rag paper will stand up under severe conditions.

The most important asset of all rag bonds is the brand name. Lawyers, executives of advertising agencies, bankers, and other people to whom prestige means much have their letterheads printed on the best grade of paper available. The odd feature of this is that a lawyer, even though he is just starting out in practice, will have his letterheads printed on Extra Number One rag bond. It would seem to him as though he were trying to get business from a second-story office over a butcher shop, to carry on his correspondence on anything but the best paper. Executives in all lines feel the same way about their correspondence paper. Unless the firm they represent is so well known that there can be no possible mistake about its prestige they want the best paper available.

This reminds us of an amusing incident that occurred during World War II. A relatively young lawyer needed some letterheads. Paper, especially the best grades, was exceed-

ingly scarce. Nevertheless, this lawyer decided that he must have his high grade paper. The mill tackled the job. Eighty-four telegrams were sent out before sufficient paper was located to complete the job. The country was literally covered before the paper was found. And then, with the paper located, the letterheads were engraved. And were they used at once? You don't know the legal profession. The lawyer opened up one package and put it in circulation. The rest of the letterheads were stored under his desk until the paper crisis was over.

If you are selling letterheads to a lawyer, don't let him get away with a cheap letterhead. You can put up one of the best and most effective arguments for quality you ever saw to convince him.

We recapitulate:

Number Four Sulphite takes in the largest tonnage used for forms. It is the cheapest and most practical. Available in four weights; 13, 16, 20, and 24.

Number Three Sulphite. Generally a little better than Number Four. More expensive and less used. This grade contains some ledgers.

Number Two Sulphite. A little better. Usually watermarked with rubber stamp watermark. Contains opaques, mimeo bond, and ledgers.

Number One Sulphite. Watermarked with wire mark, as a rule. This is the best grade of sulphite manufactured.

Extra Number One Sulphite, air dried with cockle finish. About four cents a pound more expensive than the plain Number One. Especially valuable for showy letterheads at a low price.

Twenty-five per cent rag. The most popular of the rag-content bonds.

Fifty per cent rag. Used where a little better paper than the 25 per cent rag is indicated.

Seventy-five per cent rag. Used by insurance companies who want good paper without going to the expense of a 100 per cent rag sheet.

Number One Rag. One hundred per cent rag content. Permanent paper. Used mainly for high grade letterheads.

Extra Number One. One hundred per cent rag content. Finest grade of paper that can be made. United States currency and bonds engraved on this grade of paper.

Papeterie. Made in the same grades as bonds, and the equivalent of bonds in social stationery. Usually made in white and delicately colored finishes.



Two sons of Texas and of Herbert C. May at Houston. Malcolm is at Institute of Paper Chemistry. Herb Jr. is associated with father



Daniel N. Heeter is president of Pittsburgh Craftsmen. John F. Liddy (right) heads Central Illinois Craftsmen. Photos arrived late for Album



Richard T. Hankel (left), president of recently merged Hankel-Pfister Printing Company, and C. Eugene Pfister, elected firm's vice-president



Ray H. Houghton, the new president of Southworth Machine Company



Seybold cutter is blessed at Libreria Mexico plant in Monterey, Mexico. At right of Reverend Father J. Trinidad Ruiz, who officiated, are: Manuel Martinez G., owner and manager, and M. M. Macias

PEOPLE IN THE NEWS



John Craig, partner in new Craig and O'Kane Corporation, New York printing equipment dealer firm Robert Godfrey, Warwick Brothers and Rutter plant manager, heads Toronto Graphic Arts Association Henry F. Woulfe, former president of Pepsodent, is now a vice-president of The Manz Corporation

New York Employing Printers safety group, left to right: William McDonald, Valentine Ritter, Robert Pfirman, Jr., Julius Briskie, Milton Chartrand, Charles Andresen, P. J. Bernard, Fulvio Zingaro



The Salesmen's Corner

By FORREST RUNDELL



● WELL—here we are again! It is nine years since the previous war scare caused the *Salesmen's Corner* to pass along suggestions as to ways and means for saving paper. Now, suddenly we find the paper situation jammed by a bad case of panic buying. Take for example an order for two carloads of kraft. Ordinarily the mills would hardly look at an order as small as this. Yet conditions are such that mills cannot promise delivery inside five months. And this difficulty was verified by one of our large trade associations.

Increased Use and Scare

What has happened? The writer got his first tip-off that the paper situation was being jammed when he visited the mill office of one of our large mills in search of material for an article. Opening the conversation with the usual inquiry on how business was, he was surprised by the answer. "Just one word." "And that is?" we persisted. "Fantastic! And I hope that some of those buyers who are putting in scare orders get their fingers burned properly."

Our curiosity aroused, we went after more information and came up with the fact that spot paper was indeed almost as dead as the dodo. The cause? Scare. Some buyers who got their fingers burned in the shortages of the early war period before and after Pearl Harbor have been protecting themselves by buying large quantities of paper. Added to this, there has been an increased use of paper pulp which has thrown the use of paper for printing completely out of proportion to expected demands. Whenever a situation like this arises it is easy to pass the blame on to someone else. In this case we look to the large users of paper such as the publications and the insurance companies for the disappearance of spot paper. Added to

this are the various uses for pulp which have developed in the past few years, particularly during the years following the cessation of firing in World War II.

One reason we are short of pulp is the rapid development of fabrics; rayon, Bemberg, and such. These have taken more and more pulp as use of such synthetic fabrics has increased. Besides this, methods of treating pulp have been developed which have given it a compression strength almost equal to iron. When treated in this way it has been possible to make a great variety of objects not in use before the present stringency.

Two other factors loom ahead as further features in building up the scare. First, as of November 1, the Government has not yet placed its big order for its paper requirements for the coming year. Those of you who remember the conditions of World War II know that when the Government needs paper it gets it, needs of others notwithstanding.

Then, too, pulp will be needed for explosives. It has often been said that the process of making explosives parallels that of making some of our fine fabrics until it reaches the last operation. Here it splits off. This being so, it means that a lot of pulp is going to be yanked out of the market and will be converted into explosives.

Rather a glum picture, isn't it? Not surprising that the big buyers who can anticipate their needs a year or two in advance are running like scared rabbits. Yet this very running for cover is making the situation worse by the minute. Our trade associations cannot be blamed for the situation. They have been urging their members to go easy on orders for future delivery. But human nature being what it is, it is hard to blame any printer for protecting what he believes to be his

interests by stocking up with paper while he still has the opportunity.

The one remedy which seems most likely to work is the one British printers found themselves forced to swallow during the war. They were restricted far beyond any limits which we found ourselves facing at any time during the unpleasantness. Yet they managed to keep going in spite of all restrictions.

The secret of their ability to keep going was simple. They did more printing per pound of paper. We followed their lead when we stopped using 24-pound and 20-pound bond and used 16-pound instead. This was probably the simplest change made and at the same time it was one of the most effective items in the drive to save paper. Changing from 20-pound to 16-pound saved one letterhead or form in every five. At the same time it did not cut down the total amount of printing we did. The printer who had an order for 10,000 copies of a letterhead still had his order for 10,000 letterheads. His bill for composition and presswork was the same. His only change was that he bought 80 pounds of paper instead of 100 pounds as before. The only difference in price was his mark-up on the extra 20 pounds of paper.

Let's see what would happen if our customers decided to economize on paper by entirely cutting out certain essential items. Take the question of catalogs. Looking over some of the *Salesmen's Corners* for those times we discovered the case of a paper house which tried to do without a price list during the paper shortage. They decided prices were changing so rapidly that there was no use trying to keep up with them with a printed price list. So, they figured that because printers would have to phone in anyway to get the latest prices, they might as well let calls take the place of catalogs.

Catalogs Versus Calls

They tried it. Then the calls began to increase in volume. They added order clerks. And still the calls increased. They called a salesman in off the streets to help. And still the calls increased. Finally the management of the paper house came to its senses. It found that by printing a skeleton price list on 16-pound bond, the price list would answer the questions the firm was paying extra help to take care of. The list was printed and distributed and the extra calls stopped.

Likewise we are reminded of an insurance salesman who expressed himself rather forcefully about the

war at that time. He said, "I don't know what people in my territory think about the war. I don't ask them. Whenever I talk about the war to a prospect the interview never gets around to insurance. If I don't sell insurance I don't eat. So I don't talk about the war."

On the same basis we need to talk advertising printing to our customers even more than we would when spot paper was plentiful. We are going to be the target for remarks that we should drop our efforts to sell advertising printing altogether because paper and pulp are vital to so many war needs, and there are other things more important than advertising.

Shortage of Manpower?

The only trouble with this line of reasoning is that it leaves out the question of shortage of manpower. We will have to face this shortage before we bring our armed forces up to the 3,000,000 or more we want. And if a piece of printing fills the need for a salesman's call it will meet a need as important as any other use for paper.

It happened that at the time the writer was gathering the information for the articles previously mentioned he had occasion to check the relative values of manpower and printing and of personal calls. He ran across an order for a third of a million 16-page catalogs designed to sell books. Careful figuring showed that the total time consumed in producing the books amounted to about twenty seconds per book. At the same time he got a figure on the total time spent selling brushes by a friend of his, a Fuller Brush Man. In the case of the Fuller Brush Man the average time he spent in the presence of each prospect was about twelve minutes, thirty-six times as much as was spent in producing each book. And the Fuller Brush Man was also required to distribute fifty circulars over the route he planned to serve the next day.

The small book catalogs sold the books. And the Fuller Man sold his brushes. The difference in the man hours involved was in the proportion of thirty-six to one. Save all money possible in the production of your printing but don't let anyone tell you that printing does not save man hours.

This shortage of spot paper has come unexpectedly. It is undoubtedly the predecessor of a great many other shortages. For example, copper and zinc are used in making brass which in turn is used for mak-

ing cartridge cases. You probably recall the shortages which plagued the engravers in World War II. If you do, you remember that engravers were forced to use thinner copper and thinner zinc in their flats. In addition they were obliged to launch a campaign to fill up the flats instead of leaving vacant spaces.

And you who were around ten years ago remember the work we had in getting rid of those old forms and plates which had been standing in our shops since the last time we moved.

Of course, we are not at that stage of the printing situation yet. Let us hope that we will not find those steps necessary. But the first step in the paper jam is here. Let us get our customers thinking in terms of saving paper as soon as possible. It will be one way of staving off the problem. We don't like the prospect but we are better off facing it than we will be if we let it sneak up in back of us.

Let us take a good look at the problem:

1. Cutting the weight generally means substituting patriotism for impressiveness. The eighty-pound brush-coated is more impressive than sixty-pound process-coated, but

the sixty-pound saves 25 per cent of the paper. Sixty-five-pound cover is more impressive than fifty-pound but fifty-pound saves 23 per cent in the weight.

2. Lighter paper is less opaque. Careful planning will minimize the "show through." We need to back our halftones with halftones and keep our forms light. And we need to buy papers made especially for their opacity.

3. French-fold folders waste half the paper. Let's print both sides of the paper and get twice the number of impressions.

More Printing on Less Paper

4. Twelve-point type sets thirty-six ems to the square inch. Eight-point sets eighty-one ems to the square inch. This means that a message set in twelve-point type takes more than twice the paper required to print it in eight-point. Paper can be saved by setting the message in smaller type.

5. This one will hurt all of us who like fine printing. Our savings must be made by filling as much of the paper as is possible with printing. This means printing all four pages of the cover; it means cutting out blank pages; and it means reducing margins. In short, it means sacrificing many of those touches which make for fine printing.

But note this: None of these suggestions mean any cutting down in the total amount of printing. The suggestion is simply that the printing be done on less paper. Printing still offers one of the best labor-saving agencies we have available.

Furthermore, don't let agitation about printing being nonessential deter you from getting out all your regular advertising. Changes which will necessarily follow as we shift over to the defensive economy will need to be explained to our customers. And we will need to pass on the suggestions for saving paper to our customers. Moreover, printers are likely to have odds and ends of stock on hand which can be converted into interesting mailing pieces.

So, don't let the present shortage of spot paper scare you. Pitch in to do your share to cut down the consumption of paper with all the tricks at your command. Don't figure on less printing; figure on just as much printing done on less paper. If we all do our share, any artificial shortage which exists in the present situation will be ironed out just so much sooner. We may even find ourselves avoiding all the restrictions that plagued us during World War II.



Picturesque— but not practical

The old ox-drawn wagon train gives the artists and historians a nice background, but for modern transportation, you choose the quickest way. In our print shop, we know only one way to produce your printing requirements — by the most modern methods, using the latest type of machinery and with workmen skilled to produce 1950 printing. We offer you this, in addition to our "front office" experience that makes for satisfied clients. We want so much to prove to you how we are different from most printers. Call us on your very next order and make us prove that we do give our customers more than paper and ink.

Some good selling copy from house magazine of
J. W. Clement Company, of Buffalo, New York

Here's Our New Contest

Worthy of Any Composer!

How Would YOU Set This Contest Ad?

Are you an all-around typographer? Here is your opportunity to prove your typographic skill to an international audience—and also earn a nice dividend!

THE INLAND PRINTER has recently conducted contests testing the business card and letterhead abilities of composers. The handling of the following one-column, two-inch advertisement confronts the artisan with limitations at every turn. In order to encourage the development of skill in this type of composition, THE INLAND PRINTER offers five prizes for the best settings of the following ad:

Copy:

GROW PLANTS WITHOUT SOIL. Genuine Holland hyacinths in glasses. Cups fit any glass or jar. Large winter blooms in variety of gay colors. Ideal gift for holiday, anniversary or other special occasion. We will send you 5 hyacinths, one each white, pink, China blue, bright red, sky blue; also 5 hyacinth cups and complete instructions—for only \$2.00. Three orders \$5.75. Shipped postpaid to any address. Hyacinth Gardens, Inc., Dept. HG, Bloomfield, N. J.

Prizes:

First prize: a check in the amount of \$25.00.

Second prize: a check for \$15.00.

Third prize: a check for \$10.00.

Fourth prize: a two-year subscription to THE INLAND PRINTER.

Fifth prize: a one-year subscription to THE INLAND PRINTER.

Duplicate prizes will be made in the case of ties.

Rules:

The contest rules are simple: Use the exact copy as given, and the exact space—12 by 13½ picas. Aside from that, set the advertisement in any way you please to achieve the best effect. Then take three good proofs of the advertisement and mail them, unfolded, to THE INLAND PRINTER, 309 West Jackson Boulevard, Chicago 6, Illinois. Closing date of the contest is March 31, 1951.

Give this problem your immediate attention, set a mean stickful, and good luck to you!

Spending on Sales Promotion May Increase Profit and Reduce Overhead Ratio to Sales

By A. C. Kiechlin

● WE HAVE OFTEN heard printers say, "I can't afford to spend money on sales promotion because my overhead expense is already too high and I'll go in hock if I increase it." What such printers do not realize is that their overhead *isn't* too high, it is their normal operating overhead. But its ratio is too high for the volume they get and the only way to cut the ratio is to increase promotional expense. This is overhead reduction by indirection, which is more profitable than the direct approach that attempts to cut the dollar outlay on overhead by reduction or elimination of the essential expenses.

Minor Economies May Be Costly

During the seller's market the average printer could get enough business without any promotional effort. Many in this industry have become habituated to abstinence from any form of "buy appeal," which is a sure way to increase overhead in a buyer's market. If they insist upon following this rainbow from now on, they'll find a big pot of red ink at the end of it. Of course, before the war, numerous printers weren't too active in sales promotion, but there were flashes of activity here and there and, it seemed to us, the trend was on the upswing. The seller's market cooled the fires of their enthusiasm. Up to this writing they have not yet opened up the dampers wide enough to get up enough steam to produce satisfactory profits in a buyer's market.

Today, every business man should include an appropriation for promotional expense in his operating overhead. Even if it increases the dollar figure on overhead in excess of that of the past, it will indirectly decrease the ratio to sales and so make more money for him. He must keep his volume up to a point where it is ample to cover his operating overhead and net the desired profit. He won't get far trying to make a profit by reducing operating overhead below the normal outlay his business demands by sniping at his burden for minor economies or playing down any outlay that will make him a better business man. The time he spends catching gnats would

be better spent thinking up ways and means of bagging elephants.

We want to point out here that there are two so-called types of overhead expense, fixed and variable. Both terms are misnomers and confuse business men. There are really no genuine fixed or variable expenses. Mortgage interest is supposedly fixed, but if the mortgage is reduced, this expense decreases. Power and light bills are supposedly variable, but if you want to keep your printing plant open and give adequate service to customers this expense can't be reduced below a certain point. The same applies to other variable expenses: telephone, office supplies, insurance, heat, and the like. Much of this "variable" expense is fixed. From our observation the average printer keeps it down about as far as he can.

Thus, every business has an *operating overhead* of fixed and variable charges that averages up pretty well from period to period. This operating overhead, calculated from an analysis of past experience figures, is the starting point in overhead control. In general, overhead is high when it exceeds the average burden for the particular business. When that happens, it can't be cut by a direct action. It must be cut indirectly, by sales promotion, so that the *operating overhead* ratio is decreased thereby.

How to Make Real Economies

In a buyer's market, margins tend to decrease, which is an added hazard to increased consumer resistance and another reason why the printer must promote sales with vigor today. When the margins decrease, this increases the overhead ratio to the sales dollar indirectly unless volume is increased to offset the reduction. Overhead figures have a tantalizing way of working indirectly to produce certain results and too many printers take a direct view of their movement. In other words, if the light bill drops \$10, the printer can see a direct saving, but if this reduction in expense tapers down the efficiency of his pressmen because the lighting facilities provide too little "see power" and they

do not turn out as much production or do inferior work, it isn't a direct saving at all. It is an indirect loss.

Too many printers think that the only way to effect a reduction in overhead is to turn off lights when not in use or save old scraps of paper to scribble estimates on. You'll save little that way. Overhead control, the kind that effects real economies, is more indirect than direct, not only from the standpoint of sales promotion, but in other phases of business operation. For example, if you want to cut down on collection expense, you must give credit more carefully and install a systematic collection routine. You may have to spend a little more to make more. Cutting this expense by not dunning delinquents regularly will only increase your burden because you'll end up with more bad debts.

Your Burden Is Your Own

The cost of labor and materials differs from the cost of overhead, the former is largely controlled by outside influences, the latter by inside management. Labor cost, for example, is controlled by minimum wage and hour laws, union demands, or the market for labor in the locality. The cost of materials is largely a matter of supply and demand. Shrewd buying may decrease this cost to some extent, but, in the aggregate, more savings have been effected by discounting bills and keeping adequate control of materials used on jobs and in the stockroom than by dickering with the suppliers for a little cheaper price.

The discounting of your bills is incidental to effective overhead control because it indicates that the printer has ample working capital and has kept his overhead in safe ratio to sales so that profits have been satisfactory. The printer has a better chance of keeping sales up and the overhead down if he utilizes effective promotional methods than the printer who passively accepts whatever business drifts into the plant. The former usually has ample "seed money" to discount his bills and cut the cost of operation by indirection rather than via the direct haggles with suppliers for a few pennies from Heaven.

"When is my overhead high and when is it low?" has been asked us many times. Your burden is your own baby, nobody else's. One business man's overhead may cripple another business man, even in the same line. That is why group figures giving averages are of limited use except as guides. The best place to get a line on your operating overhead is your own roster of experience figures. The dollar figures are secondary. "Ride herd" on the ratio of operating expense to sales. Generally, this ratio averages up pretty well over the year for an individual business and establishes a norm.

Cutting Overhead Expense

This is true even in the funeral directing business where an operator cannot put pressure behind his sales promotion.

During the war years, there were variances from the norm for almost all business men, but today the overhead ratio to sales as shown by your books is a fairly safe guide to accept as your basis of calculation, assuming that the ratio gives you the desired net profit.

Incentive pay increases the dollar outlay, but it builds volume and indirectly decreases the overhead ratio. Profit-participation isn't too common in this field, but where it has been used to stimulate volume and profits, it has been successful. The profit-sharing plan is usually most successful when it takes in all employees, including those in the office, in the plant, out on deliveries, as well as sales people. Some employers, to make their employees more economy-minded today, give them a share in the average savings during a period.

Modernization also cuts overhead expense. Old machinery, showroom fixtures, store fronts, trucks, and the interplant haulage devices, are more costly to operate or lack the "eye appeal" that engenders "buy appeal." They cause losses that are not earmarked on the financial accounts. Modernization may increase your overhead expense somewhat, but by indirection, it will increase your profits much more. Some printers get their new operating equipment with a limited investment by buying on time and paying the installments out of the increased profits gained by the modernization.

Too many printers keep no job-costing records at all. "It costs too much. My overhead is high enough now," said one printer when we suggested that he install a job-costing system and not depend entirely upon

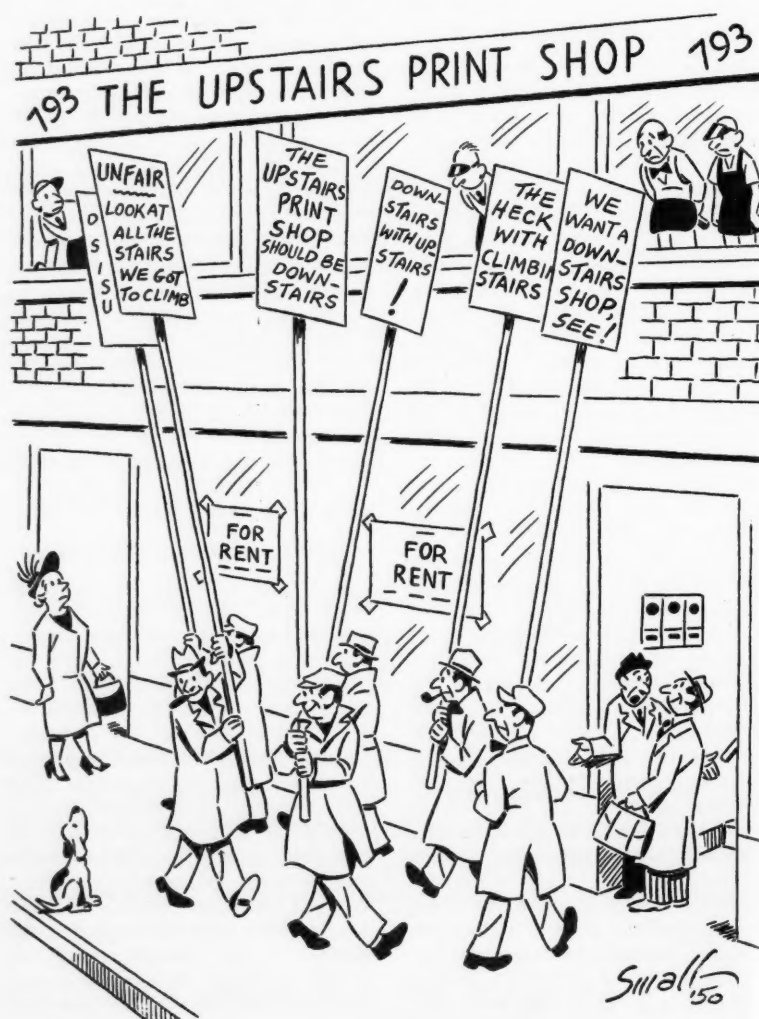
his financial accounts. These accounts show only income and outgo for the business as a whole, not job costs. There is no telling where this printer is losing money, or how he is making it on his printing jobs, and so, we cannot report thereon. But we do know that he earned only two per cent net profit last year and he can't go far on that thin ice. He might increase his overhead expense a little by installing a job-costing system, but he would plug up the loss-leaks that are invisible now because he lacks the recording equipment to spot them. This would cut his overhead quickly so that he could earn a satisfactory net profit.

When prices drop, the printer is conscious of his burden, much more so than when prices are climbing upward. But invariably, he will take direct action, whereas the biggest savings result from indirect action. He skimps on overhead in order to make a dollars-and-cents reduction

and he loses indirectly thereby, particularly when he reduces or eliminates promotional expense in a buyer's market. This, in our opinion, is one reason why printers do not earn more money in times like these.

Too many printers think of their overhead as just overhead, but it has many tricky angles that they must scrutinize critically. Merely looking at the total overhead in dollars from period to period, the item expense, or the overhead ratio, is not enough. You've got to go behind your burden and beat it to the draw with as much dexterity as it exhibits in filching profits when competition sets in and buyers take over our economic machine.

And when you take this sneak preview, you'll find that one of the best ways to cut your overhead expenses is to increase it with an outlay for promotional effort so that the overhead ratio to sales is reduced and net profit is increased.



"You don't see this type of strike everyday!"

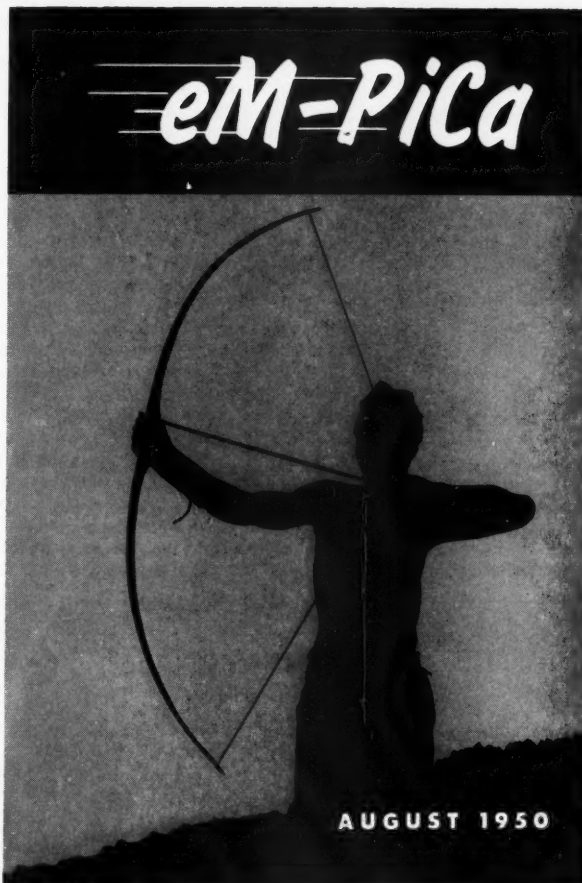
Specimen Review

SPECIMENS FOR CRITICISM MUST BE SENT FLAT, NOT ROLLED OR FOLDED. REPLIES CANNOT BE MADE BY MAIL. • By J. L. Frazier

LOUIS MARINI, Wollaston, Massachusetts. — You are doing great work with the Colmar Press as typographer and the house carries through with what it takes to make the most of the fine foundation you build. There is absolutely nothing we can suggest to improve any of the specimens recently received from you. The Human Relations folder for the Boston Club of Printing House Craftsmen is most interesting to us, represents an activity which should be highly beneficial to executives such as belong to the organization. So we suggest that other clubs please copy.

THE SOMERVILLES, of San Francisco. — Your small mailing card "Tricks and Treats" is commendable for the strong impression made in the simplest way imaginable. Under the heading is the brief text, reading "We know the TRICKS of the trade to TREAT you to fine printing." Signature group, name, address, and telephone number follow, and that is all, that is except the three small black cats in line with and preceding the heading and the trio of bats in line with and following the name at the bottom. Of course the card is orange in hue and printing of the simply arranged "design" set in sans serif types in black. This is good stuff.

EBONY PRINTING COMPANY, of New York City. — While not of distinguished typography your round-cornered blotters of size to fit 6½ envelopes are not bad. Brief copy is in type large for the



Cover of employee publication of Mack Printing Company, Eastern Pennsylvania, proves power of silhouette. On original the gray background is clouded

piece, properly to be read at a distance. Most of the blotters are illustrated by suitable pictures such as are obtainable from one of the several cut service concerns of the country. We note that on one or two where copy is

not selling copy for your business, a round hole is punched near top center, object being to encourage use as a wall hanger. The copy of one of these, just to exemplify the kind of material, reads: "Be sure your brain is turning over before you throw your jaw into gear."

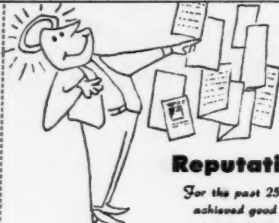
BRITT PRINTING AND PUBLISHING, St. Louis. — While it's not stylish, the blotter titled "Ready for Business" is commendable nevertheless from an advertising standpoint, dressed to do business for you. Attention is assured, especially on the part of those business men who go out each fall to get their limit of ducks and geese, by the illustration in the upper left hand corner. Depicted is a properly clad hunter inspecting his decoys. The recipient of the blotter is thus, and before he knows it, impelled into the brief text "Whether it is a catalogue or et cetera, we will appreciate the opportunity of serving you." Adverse as a rule to swinging at copy we can't restrain ourselves from suggesting the ending would be better with "no one could serve you better." On the right side, set off from rest by vertical rule printed in green, and in small size of type half a dozen good philosophical statements are printed. One short paragraph which isn't in line with the maxim-like character of the others is, however, interesting and informative to printers especially. "White paper," it reads, "owes its whiteness to



Color use and reverse panel set aslant lift this pass ticket high. Second color on original is a light blue



Though design is the same ushers know at once this ticket is for grandstand because the colors are reversed



Reputation tells the tale...

For the past 25 years we have concentrated on service and quality and have achieved good results. • Over the telephone or in person we will cheerfully name reputable production managers as well as advertising executives and we will leave it to them to tell you the tale. • With modern equipment like ours it is not too difficult to please a customer.

NEW YORK CITY PRESS INC.



MISSING PARTS?

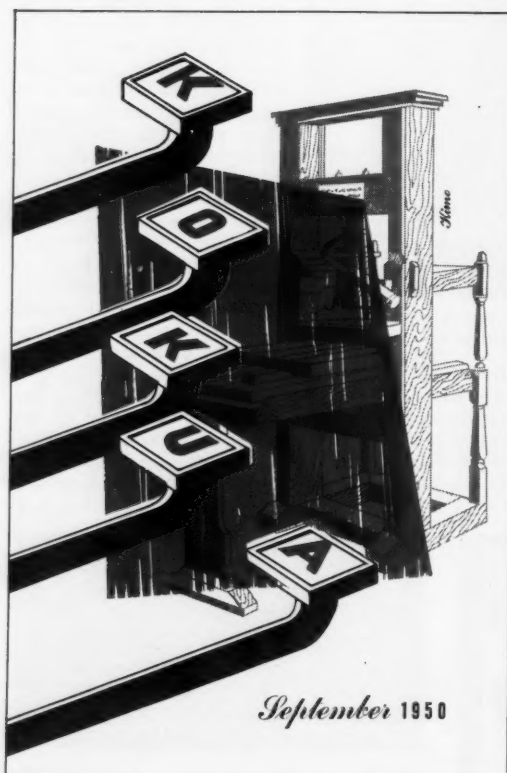
The latest "super-deluxe" model wouldn't be very useful with parts missing . . . neither would your business forms! Missing copies of important business records mean trouble . . . but with *Crainforms* and the Form-Flow Register, your dependable Audit Copy of every transaction is safe under lock and key.

R.L. CRAIN LIMITED
OTTAWA CANADA

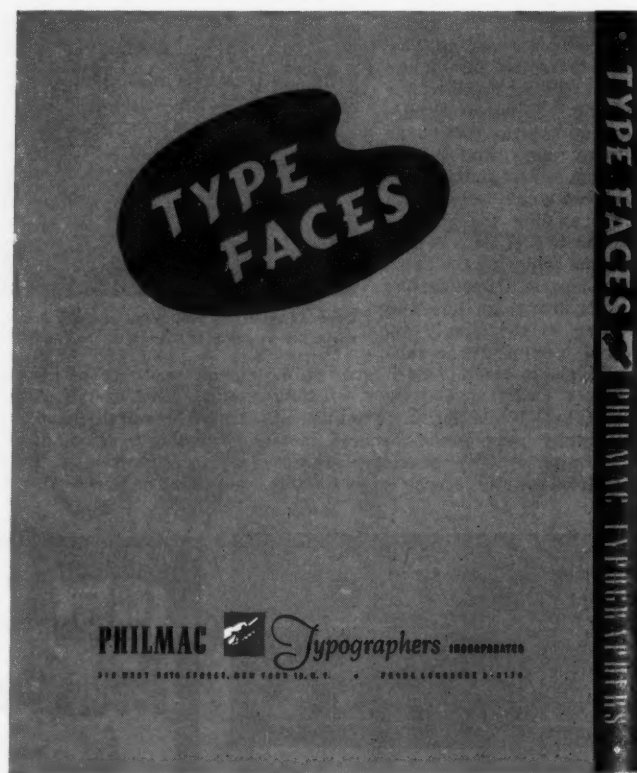
ASSOCIATED WITH
THE STANDARD REGISTER COMPANY
DAYTON 1, OHIO

MANUFACTURERS OF CONTINUOUS BUSINESS FORMS

From the number being shown on these pages here of late it might be surmised we're promoting use of blotters. Really, selection is determined by items which offer ideas, sent your commentator, proportions in the interest of our make-up being also a consideration. Blotters are widely used for printers' advertising. Second color of one at top was bright orange. The circles along the sides of Crain's denote punched holes, a feature of much of the work turned out by that company



On original cover picture is blue while color around red letters is pale olive green and key bars are black. Kokua is always good



Cover from file folder for loose sheets of type specimens. Color represents yellow cover stock while what appears in black is deep red brown on the original

blue dye added to the pulp in process and was discovered by accident when the wife of a London papermaker spilled some wash-blueing into the vat of paper pulp. He bawled her out and then found she had made his business more successful."

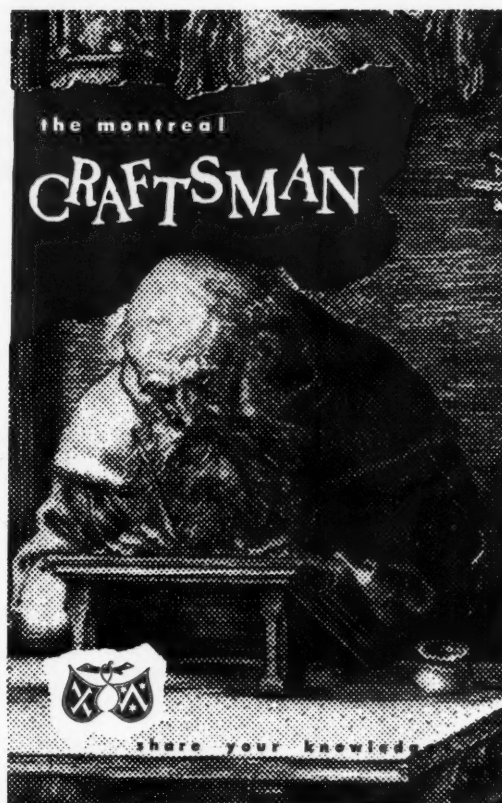
THE EL SMITH PRESS, of Pittsburgh, Pennsylvania. — Theodore Low De Vinne, we believe it was, or Benjamin Sherbow, maybe, drafted a rule relating to behavior in the doing of printing which top-flight type craftsmen obey to this day, and all should always. It is "All display is no display." Logic of the thing is that it is the exception which stands out—not the rule. With what appeals to us as excellent selling copy your "Stop" blotter isn't read with comfort and digested with ease because so many points are emphasized by being set in larger or/and bolder types. It is, as some one said, like the robin zooming down into a cherry tree. With but a single bright red cherry visible, that is his meat. With the tree a cluster of red cherries he's likely to be confused, uncertain where to go. Your present writer was once momentarily axiomatic and thinks he coined a good one, too. It is "Keep it simple and make it big." We believe the words "Do not order until you see our exclusive Color-tone Stationery" should be about all in your copy to be displayed and that these should be good-sized types, yes, in the blackface stalwart, Cooper Black, used by you for the one word "Stop." Your name at the end might be upped a bit over text proportions but some

one at some time said something about that. Exact words fail us but effect was that if message caught a reader's attention and was readable and—above all—appealing and convincing, said reader would get the source even if name were in 6-point light face. The mousetrap story might be related here and other axioms but space in printing at least is not without end.

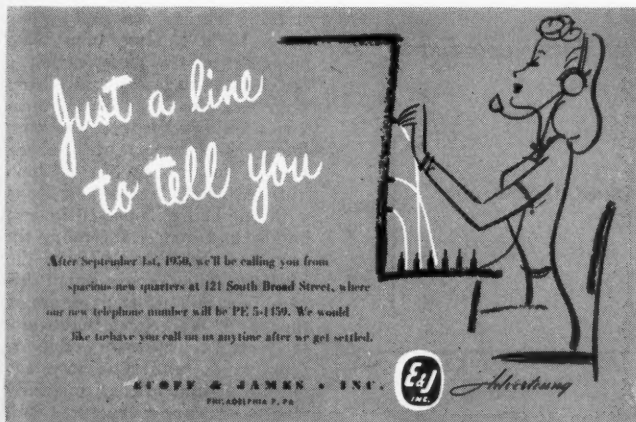
THE OTTAWA (CANADA) CLUB OF PRINTING HOUSE CRAFTSMEN scores a ten-strike with the September issue of its booklet bulletin. It is not because of the beautiful four-color process illustration tipped onto the heavy rough front cover which is responsible although the alluring fishing scene with background of forest and hill printed as only good craftsmen could print it hits right into the "pocket" of excellence. The complete cover is of three instead of the regulation two sections, there being fold-in from back which reaches to the regular fold where the booklet is stitched, covering the text pages and stitched right where fold of back cover is there's a calendar pad for months of September to June 1951, the months when club meetings are held. Nor is that all. With front cover and its beautiful picture folded, covering the text pages, and extension of back cover unfolded there is a really

since the birth of Cheltenham Bold, *et cetera*. The veteran has been so outmoded since the early years of the twentieth century that no printer or advertising man of discrimination would consider putting him to work on anything from which results are desired, and where aren't results wanted? But otherwise it's nice work, fellow Craftsmen.

WALTER T. ARMSTRONG, INCORPORATED, of Philadelphia.—We applaud your two type books, both of which stand out from the crowd. We especially admire the one with two-line samples of your different faces (usually shown in 10-point, sometimes in 12-point) because of its smarter and more distinctive layout. Down each page a line of caps and a line of lower-case are set apart from preceding and succeeding displays by cut-off rules in the second color of the job, eleven styles being presented on each 4¼- by 8½-inch page. On outside of each page close to paper edge there are 48-point squares in green over which sizes of the style shown alongside appear in black. Green squares are separated by white between this line, lining up with the rule setting off the styles shown from one another. Facing pages make a nice pattern and the small type indicating sizes in which a given style is available doesn't conflict for attention with



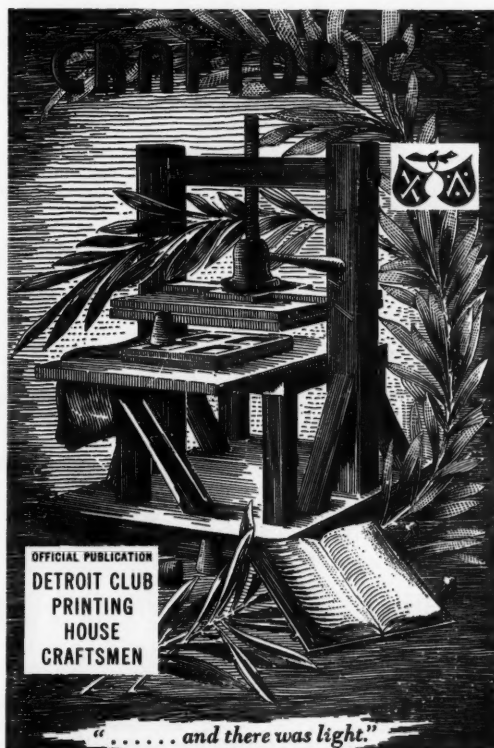
Blow-up from half-tone print of monk working on a book (before the invention of printing) distinguishes this cover which is both attractive and impressive. Atmosphere symbolizes craftsmanship



Use of gray ink, sometimes to suggest silver, seems to grow in favor. Stimulated by apt combination of heading and cartoon few could resist reading this enclosure


beautiful calendar. Folded and hung this way (there is round hole punched for the purpose) the picture and calendar, both long way of page in booklet, are in the proper upright position for the purpose of the calendar. We regret only one thing. It is that the pad of calendar leaves is of the "stock" variety bought printed or in plate form from calendar specialists who have seemingly disregarded the fact that many better styles of type have been brought into being

showing of the specimen lines. We consider the cover—bound in white plastic, by the way—very effective. The light green-gray second color is printed solid near the bottom and is gradually lightened by screen as the vignette as top of page is approached and where white paper dominates as green dominates near the bottom. The title is printed in black near top, your signed group reverse color in the green. A bit below page center a type character "A" is illustrated, outlined



Wood-cut technique of illustration above also speaks for fine craftsmanship, suggests drawing was done with white ink on black stock. Only change issue to issue is in date-line and second color

R.T. Lewis COMPANY **PRINTERS**

SEVENTY-TWO FIRST AVE., PITTSBURGH 22, PENNSYLVANIA • COURT 1-0794  SINCE 1911

HOTEL STEARNS
LUDINGTON, MICHIGAN


HOTEL CHIPPEWA
MANISTEE, MICHIGAN



FRAWLEY *friendly* **HOTELS**

LUDINGTON, MICHIGAN

DRUPA *internationale Messe Druck und Papier Düsseldorf*



26.5.-10.6.1957

Silver Frolics

400 North Wabash Avenue • Chicago 11, Illinois

VREST ORTON, Prop



WESTON, VERMONT

THE VERMONT COUNTRY STORE

Five letterheads and not a single one is common. With second color bright blue that of Lewis makes a strong impression while the old-time "homey" atmosphere of the hotel makes the "coach and four" illustration appropriate. A hue with more restraint than red might have been more suitable for the second color. The Drupa heading used by promoters of printing exhibition in Germany next year is characteristic of much typography done there, while the customary break-up for color is reversed on the notehead of the night club. The Vermont merchant who uses the final heading has, we understand, his own collection of "horse and buggy" type faces

and shaded with black and filled out with "silver." It is all very attractive and impressive. While the second booklet—of conventional 6- by 9½-inch size—titled "Monotype Supplement" has no distinctive features it is well done. Being spiral wire bound it is equally easy to handle, indeed opened back to any point it will lay perfectly flat where without pressure the other does not. Presswork is topnotch.

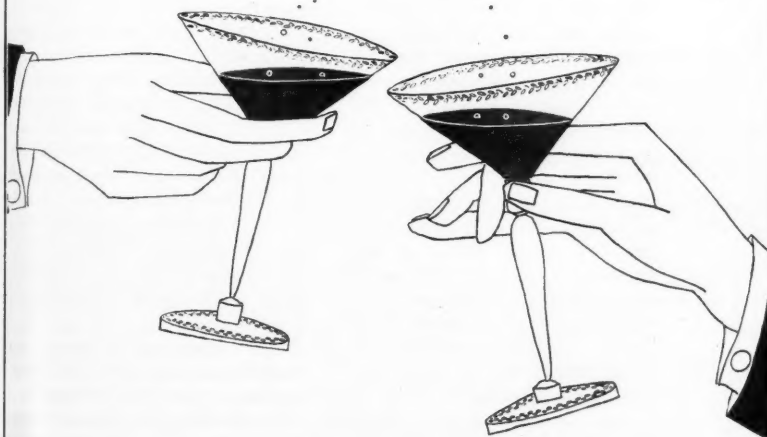
ST. PETERSBURG PRINTING COMPANY, St. Petersburg, Florida.—You can be proud of the work you do and buyers of printing in your section of the country should be glad of the facilities in equipment and talent you so well serve them with. Of course the feature of the latest lot of your work sent us is the four-page French style folder which when fully opened out discloses on inner side of the 18- by 24-inch sheet a display of important brochures, catalogs, and other items in one giant halftone which fills the sheet except for the color bands across top and bottom. Front page features illustration in brown with a big press at top, with folded signatures of one sort and another rolling out of it. Among these is a book opened out on two pages that shows your name, address, and other proper signature group copy printed in black as is the word "Books" in giant-size caps striking across center of your page. It is a most impressive page. Center two pages of folder are devoted to testimonials from your customers, most of them (we should judge from those we know) being important. The back page is featured by fine halftone illustration of stack of new books with one being inspected by two hands and arms extending in from the right-hand edge of the halftone. The typography of this page is excellent, best feature of the piece. We regret that while the second color brown is fine for illustrations and type, it is too deep for solid bands, especially where these are overprinted with type in black. If these bands had been bendayed to above 65 per cent value, improvement would result. The accompanying blotters are excellent, good copy being set off with typography and the display generally in keeping. Your pressmen have done a good job. When illustrations are extensively used, as is the case with most of the things you do, this matter of the way they're printed is of prime importance.

INTERTYPE LIMITED, of London, England.—We're late in thus acknowledging your new booklet "Some Type Personalities." It is, as would be expected, a fine piece

of typography. Forward pages present different Intertype faces in restrained display style, like conservative advertisements are handled. Featured are small sketches located variously in the different styles, these suggesting something akin to the design qualities of the types, or, maybe, names only. Usually these are in the second color of the printing—a highly pleasing orange; some are both black and orange. Suggestive of the suitability of these pictures is the chariot pulled by prancing horses illustrating Cairo, the strutting gal in fine clothes adorning Vogue, and a pair of Dutch characters wearing wooden shoes giving atmosphere to the Mediaeval display. Incidentally, the Mediaeval originated in Holland. This writer treasures a fair amount of foundry Mediaeval imported from Holland by the late Sam Bartels for his "Art of Spacing." Our good friend passed on with three chapters of his book unwritten and the book to be produced. We stepped into the breach and as a result several thousand printers have bought and read the book, and we have Sam's type, the gift of his widow. Mention of all this is merely because we feel it might be of interest to readers who have copies of the book. Bartels was about as able at and particular about spacing as the venerable Edwin B. Gillespie of Bertsch & Cooper who hand-set "The Book of Oz" produced

Provincial's Paper

November 1950 Volume 15 Number 10



THE WINNERS!

1950 25 CANADIAN DIRECT MAIL LEADERS CONTEST

cuneo topics

JULY
AUGUST
1950

Covers for Cuneo Press employee magazine are invariably impressive, like the one above, and offer highly original layout ideas. On the original of this one, color is turquoise blue. Provincial Paper's at left commands interest through the appeal of the picture—its technique, of course. Our guess as to color on original is burgundy

about a year ago by the Society of Typographic Arts which lovers of fine typography should want to have along with the Bartels book, if, of course, copies of either are available. But, back to "Some Type Personalities," of Intertype. There are, in the after part of the book, alphabet display sizes of the types featured in text size or sizes before them. These may be traced by layout men and, so the brochure becomes useful in addition to the value of the forward pages which make neat lessons on typography and layout.

F. PERKINS LIMITED has sent this editor a copy of a very interesting company magazine titled *Perkins News*. It comes from Peterborough, but what Peterborough? Cards accompanying give the name of the city, and that's all. A rather close check of the twenty-eight pages, with pauses to read an item here and there, doesn't disclose where Peterborough may be. That isn't too important because the nature of the publication shows it is for home consumption. The Peterborough we know

best is in Canada. The craftsmanship and, to a lesser extent, the types used look English. Furthermore, presswork outranks the typography quality-wise. Understand, some of the finest type work is done in England, but, by and large, the general run of work shows more attention to the printing whereas here in U. S. A.—where fine presswork is common—it sometimes seems typography is of a comparatively higher standard. In this *Perkins News* there are many fine halftone illustrations in one color and in full color and we firmly believe just about the most was made of the originals in the reproductions, photographic or art. Comparably the type work is quite inferior. First of all, far too much material is published for good appearance, necessitating quite small body type, and that line-spaced tightly. Spacing between words, and especially in legends under pictures, is almost invariably too wide when composition is all in capitals. Speaking by and large our cousins don't do so well in that regard, and they go to the other extreme in spacing lines. As a matter of fact those are the characteristics causing us to believe *Perkins News* comes from England.

New Books for Printers

A PRIMER OF ENGRAVING AND PRINTING, by Harry A. Groesbeck, Jr., is a basic text and reference covering the mechanical and technical elements of graphic reproduction. The primer includes composition, electrotyping, paper, presses and ink. Detailed emphasis is placed on platemaking and engraving for letterpress, lithography, and gravure processes. The book, which can furnish the reader with a renewed grasp of fundamentals, has a cross-reference subject index. Mr. Groesbeck completed the work a short time before his death last June. Paper bound, the book has 174 pages, sells for \$2.50, and may be purchased from the book department of THE INLAND PRINTER.

TYPE FACES AND PRODUCTION TECHNIQUES FOR CREATING EFFECTIVE ADVERTISEMENTS, produced by *The Milwaukee Journal*, is designed for double duty as a textbook and as a working tool for those engaged in the creation and production of advertising. The hard cover and spiral binding were chosen so that the covers, opening back to back, would serve as a desk easel. All the pages which illustrate display type faces are set vertically. A complete alphabet is shown in all type faces. The display faces listed are in related groups: roman, modern roman, cursive and miscellaneous, sans serif, reproduction types. A type selector is furnished as a separate insert to the book. A feature of the volume is the table of type comparatives, illustrating types of varying widths and sizes which are sufficiently identical in the width they require so that they can be used interchangeably.

Old Timer Speaks:

• FROM PRINTER to printing instructor to printer has been the full-circle career enjoyed by John M. Murray of Los Angeles. Born in Canada, August 9, 1879, he must have heard Horace Greeley's "Go West" call up there for it was in the shop of James E. Forrest on West Harrison Street in Chicago that he learned the printing trade. He worked as a journeyman for the A. N. Kellogg Newspaper Union and the Hedstrom-Barry Company in Chicago before moving to Los Angeles in 1905. There he was employed at the Commercial Printing House and at Young and McCallister.

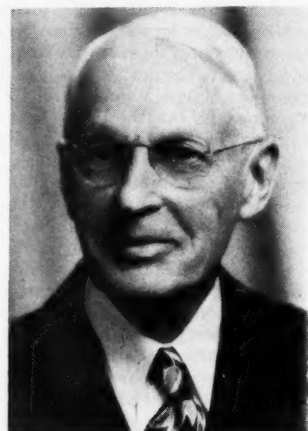
In 1920, upon completing his course at the University of California, he began teaching printing in Los Angeles city schools. For twenty years he taught in Frank Wiggins Trade School; for three years heading the department. Mr. Murray retired from teaching in 1945 and immediately re-entered the printing trade where he has been continually employed.

As a teacher, Mr. Murray aided in promoting and conducting the annual printing apprentice nights sponsored by the Los Angeles Club of Printing House Craftsmen, of which he has been a member for twenty-five years.

While working as an apprentice he purchased his first copy of THE INLAND PRINTER at the counting room of Henry O. Shepard Company. It was the October, 1895, number for which he threw down twenty hard-earned cents. The cover design, he recalls, was by E. B. Bird and the leading article by Opie Read.

Through the pages of this magazine, over the past fifty-five years, John has followed the work of noted typographers, illustrators, and writers. On August 10 he wrote:

"Recently Mrs. Murray and I spent several days in and around the Bay Cities. While in San Francisco, I called on three of my friends, Chris Beran, Haywood Hunt, and Amadeo R. Tomasini. Their personalities and achievements have thrilled me over the years. I have a copy of *Beran—Some of His Work* which I bought in Chicago back in 1905. When I visited Chris recently, I had him autograph my copy. His hand is still steady and his auto-



Probably dean of veteran subscribers to THE INLAND PRINTER, Murray's record is 55 years

graph now is an exact and precise duplicate of the one written just forty-five years ago. He remains in my estimation a typographical genius and a man of character, too. I enjoyed your tribute to him in your July issue.

"Among my collection of THE INLAND PRINTER issues, the following covers are my particular favorites: the woodcuts for July, 1887; August, 1893; and January, 1894. November, December, and January, 1895-96, covers bear Will Bradley's signature and Joseph C. Leyendecker's is on the January, 1897, issue. The March, 1898, photograph of the cover in type form (by Allexon) as the reader would view a type form, is memorable, as are J. L. Lovedory's (May, 1898) and J. Paulding's (December, 1901) work."

"Coming up to the more recent past, the fortieth anniversary issue of October, 1923, with its frontispiece of H. O. Shepard and its oldtime type specimens; the August, 1927, photograph cover of the New York Grand Central Palace at the time of the fourth educational graphic arts exposition and the October, 1933, fiftieth anniversary issue, all add up to one printer's half-century treasury."

This magazine is proud to number men like John M. Murray among its veteran readers.

We would appreciate hearing from or about other readers who have been with us for 25 years or more, and their careers in the graphic arts.

The Proofroom

ARE THE CONCERN OF THIS DEPARTMENT. QUERIES AND COMMENT WELCOME



By Hilda D. Bump

"CHERISHED SUPERSTITION"

Isn't this sentence wrong—or at least not as good as it might be? "I was determined not to give the stereotyped material with which we are all familiar." I think it should be "the stereotyped material we are all familiar with," but my boss says not. We have been arguing about the matter. It went his way, of course, but could you assuage my wounds?

We say you were wrong—for arguing with the boss. That's the most thankless, the poorest paying, futile work in the world. Like the customer, the boss is always right—especially when he might be wrong.

As to ending a sentence with *with*, that's a matter of taste—and we don't care how many challenges we get to that statement. According to Fowler, the original horror of prepositions as tail words began because one *cannot* end a sentence in Latin with a preposition; therefore, reasoned some ancient wise guy, it should not be done in English. Even so, says Fowler, "immense pains are daily expended in changing spontaneous into artificial English. It is a cherished superstition that prepositions must, in spite of the incurable English instinct for putting them late, be kept true to their name and placed before the word they govern."

It is possible that your boss was considering his audience. There are those who would regard the use of a preposition at the end of a sentence as inelegant, if not utterly incorrect. And we commend him for wishing to avoid stereotyped material.

A LITTLE PIPPEROO

Greetings: Turn to page . . . of your . . . issue—third line of paragraph is a pippéroo! "instead of by . . ." This is an example of carrying over our provincialisms. Really listen to people talk and be mindful how they pile in unnecessary words, double-talk, leave sentences hanging, or finish the thought by a smile, chuckle, or lifted eyebrow. Amazing if you pay attention.

We turned to the page, as you suggested, and dropped the magazine as if it were hot. That pippéroo is embedded deep in the heart of an ad plate, and provincial or no—that's

where it's going to stay. *You* write them a letter. We ain't going to bite the proverbial hand.

Within reason, why shouldn't people write as people talk? (You do, apparently.) Some writers have done very well at it, including Hemingway, even with his "Kiss me true" stuff. Maybe people talk that way where he comes from. Of course, when writing as people talk, one should write as all people talk, not localize the stuff too much, to avoid adding chaos to confusion.

IS IT WORTH THE WHILE?

Please distinguish following terms: worth while; worth-while; worthwhile.

We will begin at the end of your query. (We think you are working us overtime, anyhow—this is all in your Webster.) Let's put *worthwhile* back to season for a few more years—say, twenty to fifty. It isn't ripe yet. Fowler thinks that *worth-while* might go back where it came from, being "at best of doubtful value; and having been seized upon as a VOGUEWORD, it is fast losing all precision of meaning: worth-while mothers; worth-while topics." *Worth* (the) *while* is used to convey the idea that expenditure of time involved is balanced or outweighed by the benefits received.



Half a Century Ago in the Proofroom



Is it best to write "devil" or "Devil" in saying "Tribes that worship the devil"? Should the word ever be capitalized, or not?

It is better never to capitalize "devil" in any use.

This item—lifted intact from *The Proofroom of the nineties*, edited by F. Horace Teall—is offered for its historic interest only, and is not for present-day guidance

DOWN WITH FEMALES—ANONYMOUS

Your October article (page 70) on "Female Proofreaders" by David Armstrong fails to fool the wiser printing public. You say "girl readers have been used since time immemorial"—trying to intimate to the public that no readers exist among the male sex. Give the public the truth next time—for you know that male readers predominate in the trade. Or else IP will publish my "Govt. figures" showing it. Most readers, too, are sought through the male columns—the real practical printer ones, which you begrudge to admit are good.—MALE UNION READER.

We believe if the Male Reader takes a second (and intelligent) look at the Female item, he will discover that it does not particularly recommend women in the proofroom. Actually, Mr. Armstrong casts doubts upon the proofreading ability of Plantin's daughters. And if women proofreaders weren't the exception rather than the rule, the item would not have been used. The IP has no interest in changing the status quo, even though we know some excellent female readers. This magazine is proofread by MALE UNION READERS. (They make mistakes once in a while, too.)

As to Mr. Armstrong, he teaches proofreading to all-male classes—he has a family of all-male children. We are certain that he is not subversively trying to chase men out of the proofrooms of the nation.

Where's your sense of humor, sir—and also the signature on your communication?

UP WITH FEMALES—SIGNED

We have noted the item regarding proofreaders on page 70 of your October issue. We employ girl proofreaders who read English, Spanish, and Portuguese. We train them ourselves.

We hire college graduates with a major in English and Spanish. They first act as clerk in the department, so as to learn office routine. They proofread after the regular readers, so they become trained. When a proofreader leaves, we advance the clerk and hire a new one.

Several of our people, who left on account of marriage, later secured positions in other plants. They are doing a good job and are of great help to us

when they work in trade plants doing our machine composition. On job and label work, they read without a copyholder.

We believe this is a fine field for young people just out of college. The field is not overcrowded.

This (unsolicited) letter is from H. G. Bradley, head of the printing department of Eli Lilly and Company, Indianapolis. Mr. Bradley is a former president of the International Association of Printing House Craftsmen—a man who knows whereof he speaks.

We are amazed at finding ourselves invading Kinsey's territory. One hears that the sex of a rhinoceros is of interest only to another rhinoceros, but who wants to catalog proofreaders that way? There are good and bad proofreaders—that's all. Why should gender rear its ugly head? Who cares—except possibly our legal mates. If other readers have found this angle a problem in the proofroom (or an answer to a problem) we'd like to hear about it. Should liven up the department a bit.

WHETHER OR NOT

Twice in September IP: "whether or not." I squirm! *Whether*, so I was taught, stands alone to imply either positive or negative.

We recall some such instruction in school but can find no corroborative evidence at the moment. A college grammar seconds *or not*, and Webster cheerfully says *whether* is usually followed by its correlative *or*. "When the contrasting alternative is the negative of the first, it is sometimes expressed simply by *not* or *no* after the correlative, and sometimes omitted as being implied by the *whether*..."

We agree with you that *whether* implies a choice, and that *or not* ordinarily represents unnecessary effort. Apparently the phrase is acceptable grammar, whether or not we like it.

NEW INVENTION: PRINTING

In cataloging your magazine, I ran across this interesting head in the index for June, 1950: "Printing Invented in 1940. . . . Page 57." Don't you think that should have been the leading article? I thought at first that you had pixilated comps who put that in just for fun, until I noticed an article on page 51 titled "Printing Invented in 1440?"

Okay, we'll go sit in the sackcloth & ashes department for awhile. Without doubt it is the fault of someone else—the boss, or Ed Rose at the plant, or type lice, or our New York editor. We wouldn't do such a thing!

JUST A LITTLE DAMP

I am very much like the fellow who was always puzzled about *waterworks*—he never could be sure whether it was one word or whether you spelled it with a hydrant. And I'm not all wet.

Take a term like man-hour. Once upon a time it was two words; then it became a hyphenated term like man-hour; now it frequently appears as a solid term, manhour. Pity the poor proofreader! What am I to do?

It really isn't so difficult. Just consult your dictionary and follow its example. *Mankhour* has still to receive the seal of approval, but then it's a comparatively new concern of us masses. When my pappy was a boy, if he had a humanitarian boss and if he got up super-early and finished his work, he could be off early on the Fourth of July to go to a picnic. He

never would have worried about the hyphen in man-hour.

A reasonable (depending on the viewpoint) number of our man-hours are spent in pitying the poor proofreader, particularly this one. We'll be glad to include you in our future brooding.

WAR AND CAPS

"The War between the States." "The War Between the States." The Webster list of new words gives the former style. Which does the IP use? In other matter, I have seen about half and half. Have you any rule on this and similar usage?

We never mention the War between the States. If we did we would lose six subscribers—three whose grandpappies fought for the North, claiming that we were prejudiced against that side; and three whose grandpappies fought for the South, claiming that we were prejudiced against that side.

As we were saying, we never mention the affair, having no occasion to do so in a magazine concerned with printing. If we did, we'd say "Civil War." If pressed into a corner, we'd follow Webster, except in a headline. We can't find a specific rule for this but the matter seems pretty well covered by the general rules.

LAND OF MILK AND HONEY

What happened to *Proofroom* in November? Wouldn't they give you some space? Doesn't anyone care where the comma goes these days? What's your trouble? Is or is not *Proofroom* a "regular feature," as listed on the index?

The words are familiar (sound like the boss). "They" are happy to give us all the space we can digest. The only thing that happened is that we had us a holiday in the Golden West and returned with the desire to become a beachcomber forever in the Bay area. So that's "what happened." Just a vacation.

Even the boys in San Quentin and Alcatraz have finer views and better air than we can rent for a month's salary. Any of our West Coast readers lonesome for a Chicago winter? For a faceful of soot? For a zero morning on the elevated platform?

SILVER THREADS AMONGST . . .

In the September *Proofroom* you said you had been presented with a new *gray* hair or two. Is (are) it (they) gray or grey, and why?

You have just contributed some more gray hair. If we were English, we might say *grey*. Why? is always interesting. One could write a Ph.D. thesis on the *why?* in this case. To put it bluntly, we do not know. Webster likes *gray*, so did good old Samuel Johnson. So do we.

Spelling

AND THE Proofreader

Authorities differ on the spelling of words for dictionaries. Some prefer the simpler form when two ways of spelling the same word are used by acknowledged authorities and some prefer the form based upon close adherence to the etymology of the word. While theoretically in favor of progress, most dictionaries are conservative in practice.

Usage in America and England is different and different spellings are preferred, as may be illustrated by:

AMERICAN	ENGLISH
<i>favor</i>	<i>favour</i>
<i>labor</i>	<i>labour</i>
<i>meter</i>	<i>metre</i>
<i>theater</i>	<i>theatre</i>
<i>surprise</i>	<i>surprise and surprise</i>

American spellings should be preferred by compositors and proofreaders who prepare copy for American audiences.

Today, in all words fully Anglicized, *e* is preferred to the diphthongs *æ* and *œ* in words like *e(æ)sthetics*, *fe(œ)tus*, *home(œ)opathy*. In some cases, these diphthongal forms are used by writers and it is a problem to know how to proceed. Follow the modern tendency of simplification and omit the diphthongal form whenever and wherever it occurs, except when it is specifically required by an author.—

David T. Armstrong

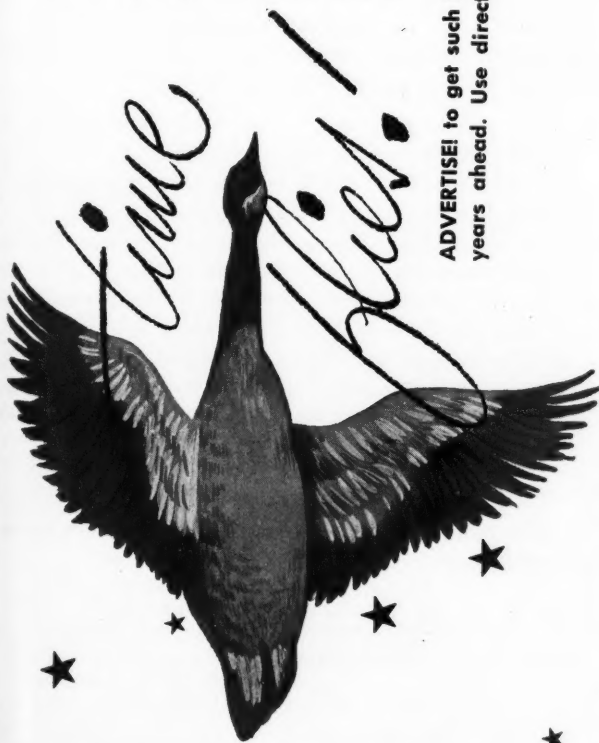
BLOTTER NUMBER SIX

it flies! . . . it f-l-i-e-s . . . jump!
grab it! get on! and ride it . . .
to success *advertise!*

Footsteps of buyers go where they are asked to go, they go constantly to buy from the company that tells and tells and retells them of the courtesies and service, the values and the fair prices . . . they'll get . . . when buyers buy from that company.

ADVERTISE! to get such beliefs and preferences (for your company) for the tougher years ahead. Use direct mail printed advertising, regularly . . . and you'll SELL!

PRINTER'S SIGNATURE



YOU have one final opportunity to cash in on this "subscriber privilege"—a selling series of build-your-business blotters offered you at a very low cost. Lay-out, artwork, and copy (all by specialists) are FREE—you pay only for the two cuts (\$5.63 for the half-tone; \$4.23 for the zinc—a total of \$9.86).

"Time Flies! Advertise!" is the theme. There is a different selling angle in the copy each month. The same cuts are used for all the blotters, as continuity is the driving iron of all advertising. Our series ends with this, the sixth blotter.

You will increase sales when you advertise with a carefully planned and presented campaign. Every time a prospect or customer blots a line of writing,

your sales message is presented! Each blotter is repeatedly used—and read, that's penetration. Here is a top-drawer, high-g geared advertising campaign custom-made for you by experts! We want to help you increase your business and your profits. When you write us today, please note that it helps us to keep the price low when you send a check.

Order your cuts today and begin your sales campaign with Blotter Number One released in July. It's first come, first served. You get exclusive use in your territory if no other printer in your locality has secured the right. Utilize the entire series. Our industry will advance when printers get wise and advertise themselves!

FEATHER YOUR NEST THE BLOTTER WAY...IT'S THE BETTER WAY

THIS BIRD FLIES DIRECT TO HIS OBJECTIVE



***“Freedom of thought
and independence
of action . . .”***

DONALD W. DOUGLAS

President, Douglas Aircraft Company, Inc.

“Freedom of thought and independence of action are among the keynotes of America’s economy. They are fundamental to our way of life. Systematic savings through the Payroll Savings Plan help the individual maintain his own independence and freedom of action and make us strong as a nation.”

In more than 21,000 large companies (employing 100 or more) and in many smaller companies, more than 8,000,000 men and women are helping to keep America strong. By systematic saving in U. S. Savings Bonds they are doing their part to offset inflationary tendencies . . . they are building a reservoir of future purchasing power to support industry...they are providing financial independence for themselves and their families.

The widespread success of the Payroll Savings Plan is an excellent example of our freedom of thought and independence of action. Far-sighted employers *offered* these 8,000,000 Americans an *opportunity* to enroll in the Payroll Savings Plan. There was no pressure, no emotional stimulation. A Payroll Savings Plan application was placed before them. They “signed up”—to the benefit of them-

selves, their companies and their country.

Has *every* man and woman in your company been *offered* an opportunity to share in the benefits of the Payroll Savings Plan? How about the newer employees? How about those who did not sign before but may wish to do so now? Delegate one of your top executives to conduct a person-to-person canvass of your employees to make sure that *every* man and woman gets an application blank. You don’t have to urge them to enroll, or to increase their present allotment—they are anxious to build for their own independence.

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Twelve Advantages of 'Dry' Offset Method And Problems the Process Presents

● IN ORDER that the subject which constitutes the title of this discussion may be defined and understood, it is necessary that we review as a preliminary the three basic methods or processes of printing. These are:

One, Relief (letterpress), whereby the areas which convey ink to the printed stock are at the plane of impression, while non-printing areas are omitted, removed, or lowered.

Two, Planographic (lithography, collotype, Pantone, etc.), whereby both the areas which convey ink and also the non-printing areas are in the same plane, the latter being treated (generally by the application of moisture) to make them non-receptive to ink. We have in lithography the moistened areas which repel the ink. In Pantone, the non-printing areas are treated with compounds of mercury. Pantone is a process with which many of you had some contact at one time. Unfortunately, toxic properties of these mercury compounds have largely ruled it out for general use.

Three, Intaglio (gravure, roto-gravure, steel- and copper-plate engraving, etc.), whereby the areas which convey the ink are etched or incised below the plane of the non-printing areas, the ink being removed from the latter by scraping or wiping means.

All three methods may print direct to the stock, paper, or other material. Also, all may print indirectly to the stock by making the inked impression upon an intermediate medium (generally a cylinder covered with a rubber blanket) which in turn transfers or "offsets" the inked image to the stock.

Rubber is used almost universally as the transferring medium in offset methods of lithography. There are, however, methods of printing upon plastics in which a foil or polished metal surface is used for making the transfer.

Relief offset, or letterpress offset, is not widely used, but it has been standard for certain types of printing for many years. It is certainly not what one could call a truly new development.

In the Bureau of Engraving and Printing in Washington, the use of relief offset has been carried on for, I assume, twenty years or longer,

By Olin E. Freedman

• We thank the American Photoengravers Association for permission to publish this address which first appeared in The Photoengravers Bulletin. Mr. Freedman, a well known consultant on technical and management problems of the Graphic Arts Industry, enjoys an excellent background and reputation as an able printing engineer

and the method has been applied to the production of revenue stamps and certain types of other material in fine line work where the durable qualities of relief offset printing are required.

It is interesting to note that, toward the end of the war, when the facilities of the Bureau of Engraving and Printing were taxed beyond their capacity, large numbers of three-cent postage stamps were produced by this method, as against the usual practice of producing them in intaglio by steel-plate engraving. The Bureau of Engraving and Printing never announced that had been done until there was reason to believe most of those stamps had been consumed; and to the best of my knowledge, almost no one detected the difference as compared with the usual product.

Intaglio offset has come to be employed of late in the printing of plastics. This field is expanding rapidly. In many instances, it has been found that the results are a great deal better than either lithographic or relief printing when the printing is done on a rubber-blanket cylinder which in turn deposits the ink upon the plastic surface.

When the offset principle was first applied to planographic printing of lithography some forty-five years ago, it proved to be so advantageous and gave such impetus to the process that essentially all work in that field shifted rapidly to that means. Consequently, all lithography has—quite erroneously—come to be known as "offset."

We have had some other situations in the field in which a term has been erroneously applied. For example, we hear today a great deal about aniline printing. When the method from which that term was derived first came into use fifteen or twenty years ago, about the only type of color that could be dissolved in alcohol for making those volatile inks was aniline dye. Today, the aniline process is used very widely in producing package wraps, frequently transparent ones, on various types of synthetic sheeting, and most of those inks are opaque and heavily pigmented and use perhaps no aniline dyes at all. But we still have the term "aniline," which has come to be recognized as a method, whereas it is no longer actually descriptive of the means being used.

Similarly, "offset," in the stricter sense, has no true application solely to lithography, but the term has apparently taken such hold that it will continue to be used in that respect.

For certain types of work which the offset printer is called upon to produce, it is necessary to be able to use inks which would not be suitable and workable if the plate carried water as an ink repellent. Examples are safety paper, special check backgrounds, revenue stamps, etc., all of which have been turned out in large volume in that way for many years. Plates are etched in relief, and the water fountain and dampening rollers are not used. Because of the absence of water, the offset printer calls this "dry" offset. Actually, it is *relief* offset.

During the last few years, the trend toward "dry" offset has been greatly accelerated. In the printing of form work and kindred products, and in color printing on sheet metal for cans and other containers, it is being performed on standard sheet- and web-fed offset presses. An increasing volume of form work is run

on specially designed "dry" offset machines, generally printing from rolls at very high speed. When compared with letterpress and regular offset, some of this method's advantages are:

One, plates go to press in one piece, in perfect position for the entire form and in uniformly accurate height or thickness.

Two, the rubber blanket compensates for inequalities, minimizing makeready time.

Three, the form (plate) is light and can be readily curved to the surface of a cylinder, making high rotary speeds possible.

Four, the effect of the abrasive characteristic of numerous types of paper stocks on printing plates is eliminated, and pressure of plate to rubber blanket is uniform and light, resulting in long life of press plates. In the "dry" offset process, runs of many millions are not uncommon.

Five, there is no loss of detail due to duplicating, for the originals are used on the press.

Six, a wide variety of inks may be used.

The inks can be formulated to incorporate letterpress properties which possess a much wider range of applications and of results than those which are used in offset. There is still another advantage: the trapping of inks when they are printed from a rubber blanket with uniform impression over the entire surface is a great deal simpler than when printing is performed from relief plates.

Seven, very fine lines and small type can be printed and kept sharp and open, even on rough-finished stocks, paperboard or, for that matter, other substances such as cloth, for the blanket, while accommodating itself to the surface of the stock, presents a uniformly even surface in turn to the plate. There is, in that connection, a certain amount of experimental work being done today in the printing of four-color process upon newsprint with relatively fine halftones; let us say, the 100-line screen.

Eight, color remains more nearly uniform throughout the run than is possible when ink and water must be balanced in their relationship to each other.

That, I believe, is one of the more serious of the handicaps of the offset lithographic printer. He has two fountains to watch as he prints. If his water goes down a little, his color comes up. If he carries too much water, he is fortunate if the only difficulty he has is that his

color goes down. Frequently, either water or ink running a little too strong or too weak will damage or ruin the plate, and probably the greatest limitation of the offset process in printing from the plates which require both ink and water is the lack of uniformity in the strength of color during a run of any length.

Nine, slightly more ink may generally be carried than when water is present, nor is strength of color lost through emulsification (and consequent dilution) with water. When a plate, particularly one carrying fine line work and consuming very little ink, is run by conventional offset methods, the pressure of the ink rollers against the dampened areas of the plate will cause a certain amount of that ink to become emulsified, travel back up through the inking system, and dilute the ink in the fountain.

Ten, there are no troublesome effects of excessive moisture upon stock. Anyone who is closely identified with production of lithographic offset work is aware of the fact that the amount of moisture picked up by the blanket from the plate which comes in contact with the stock is the cause of a great many types of trouble or at least requires some very careful precautions to be taken. The stock, also, must be formulated in such a way that it will resist the penetration of moisture, through hard sizing or other means. Most of these problems are eliminated in "dry" offset.

Eleven, plates may be placed or changed on the press in sections along the length of the plate cylinder, which is not possible in conventional offset unless a smudged line where sections abut is acceptable. Inasmuch as a conventional offset plate is smooth and continuous throughout the entire printing area, if the plate is divided into sections, the line around the cylinder at which the sections abut will produce a smudged area on the printed sheet. In relief, of course, it is possible to handle these plates in sections, so long as the sections continue around the cylinder and can be clamped at either end.

Twelve, the process is simple, insofar as presswork is concerned. There is no makeready, in the sense of compensating for various degrees of required impression, and there is no press register of individual areas or sections of the form. Also, in the running, the plate requires very little attention as compared with offset lithography. It is not necessary

to gum up the plate to avoid oxidation when the press is left to stand for a few minutes, and there are no chemical problems.

All of you have probably heard it said that the offset process is inherently a chemical one, while letterpress is primarily a physical one. I would say that is a reasonably good generalization. The chemical steps and knowledge required in the printing of conventional offset are almost entirely eliminated in the use of so-called "dry" offset.

There are two important limitations of the "dry" offset process which should be mentioned.

First, the use of halftones is restricted to the extent that screens finer than 100-line will, due to the resiliency of the rubber blanket, tend to fill up. The rubber blanket has an effect which is somewhat similar to that of a coarse or a soft stock and will force ink down the edges of the halftone dots and cause a gradual filling up unless the plates are washed out more frequently than would be efficiently practical.

Second, since the open areas are etched to relatively shallow depths, soft, tacky rollers may not be used, and only those inks which work well with quite hard rollers are practical.

Perhaps it should also be mentioned that the original cost of a "dry" offset plate will be somewhat higher—not a great deal, but measurably more than that of a conventional offset plate. The life, however, and the stability of the plate go far toward compensating for those increased costs when the types of work that are applicable to "dry" offset are being produced.

In general, standard photoengraving methods are employed for making "dry" offset plates, the only differences being the somewhat special techniques required. Plates are generally of thickness .018- to .025-inch, in order to wrap around the periphery of the cylinder on the press and hug it securely, and sizes may range up to 45 by 60 inches.

To minimize hazards of stretching or cracking under the tension of the plate clamps, etching and routing depths exceeding .009- to .013-inch are seldom, if ever, used, even in fairly large open areas. It is for this reason that firm, precision-ground rollers are required.

Most plates are photocomposed direct from the negatives in either a photocomposing machine or a vacuum frame. Sometimes, a negative of the entire form is photocomposed or stripped, so that only one exposure of the press plate is needed.

For many years, zinc was the most widely used metal for "dry" offset plates. More recently, copper and magnesium have gained considerable acceptance. Copper, particularly when it is electrically etched, produces some very superior work in fine line, such as for the intricate backgrounds of checks.

However, there are important considerations in the use of copper pertaining to both the temper and the grain. Normally, for photoengraving purposes, a copper designated as one-half hard is used. For "dry" offset work, about one-eighth hard seems to work best. The grain, which is quite pronounced in copper, must be in such direction that the plate will curve around the cylinder successfully without buckling or a tendency to distort.

Magnesium possesses the advantage of rapid etching, with clean bottoms in extensive open areas, obviating the necessity of routing. Unlike zinc and copper, however, it will not readily conform to the cylinder's surface and then return to its flat state for storage. It must generally be treated in a bender under heat before going to press and must be stored in semi-cylindrical form, after use on the press. Magnesium does appear to have the best stretch-resistant qualities.

Another problem in the preparation of "dry" offset plates is found when web presses designed espe-

cially for "dry" offset are used. Under those conditions, the plate must, as nearly as possible, cover the entire circumference of the cylinder, and the plate clamps are as close as possible to each other in order to allow a minimum gap between the ends. Therefore, the plate is crimped at each end. (The manufacturers generally refer to the equipment so used as a breaker.) Each end goes down under the clamps, as compared with the method used on sheet-fed presses, on which the straight edges of the plate, without bending or crimping, can be used.

Producers of "dry" offset plates generally need to have photocomposing equipment, as well as larger than average coaters, vacuum frames, sinks, etching facilities, dusting cabinets, and burning-in stoves. Rotary routers are sometimes necessary equipment.

In some instances, again referring to the Bureau of Engraving and Printing in Washington, ovens rather than stoves are used for burning in. They appear to be a little slower, but they facilitate the handling of large thin plates as compared with attempting to burn them in over flame.

Proofing, if required, is usually done by the printer. Proofing, of course, cannot be done by direct impression, as would be employed in proofing photoengravings. On a plate which is made for offset,

whether it is "dry" or conventional offset, the printed matter reads from left to right, the same as on the final sheet. The image is reversed right to left in printing on the blanket and then again comes out reading left to right on the final impression. In proofing, it is necessary to use something similar to an offset proof press or to prove on an offset press. As mentioned before, the printer who is to use the plates will often take care of the proofing.

I consider this "dry" offset process to be one of many evolutionary developments that are going forward in our industry, for which we can be thankful. We are seeing our industry progress very rapidly.

However, there is nothing, in my opinion, that can be called revolutionary. It is a process that has been growing gradually and healthfully. It is one which during the last few years has attracted a great deal of interest. Some of that interest, I feel, might have come a little earlier to good advantage.

Neither is it as yet a cure-all for many of the troubles and problems we have in the industry. The printing of halftones still possesses limitations that I have mentioned, and there is not the flexibility through this type of printing that will be found in straight letterpress work. There are many points of technique which need to be refined and which are being refined.

Register on two-color press

By Joseph Kovec

This one comes under the heading of registering form for back-up on a two-color press. They claim that the forms were registered in and position okayed before makeready was put on and when all was made ready, they had to make some more moves. Now why did that have to happen? In the first place we were not there to watch the process of getting started on this one. Yet a very good guess could be in order. There is such a thing as placing a lot of the stock of the first printed side up on that press and using those sheets for register. Also the makeready would make a lot of difference as we may change the circumference of that cylinder some.

We get a lot of changes in stock due to the change of atmosphere—just by leaving a few sheets for register up on that press—even though you have them covered. Why not pick them up as you

need them out of that pile and also dig down a few sheets below the top of load? We find a lot of difference there when it comes to good register. They should run at least three sheets of paper through the press for this reason.

The first and second down cylinder varies some on most two-color presses at first impressions. This is caused by the transfer cylinder being out of position or in line with the second down cylinder at this start up. While it is only a point or so it will make a difference on close register job and we find that using the second and the third sheets for position of register is the best bet.

Then we don't know what they were using for ink and how much of a pull

there was on that impression. This also must be considered at a time like this. In the process of makeready, a lot of retarder is often used on the press so that the ink will not dry up while makeready and registering are in progress. There may be a lot of other adjustments to be made such as with bands and brushes. You can never tell what will take place before we get those presses ready to run. Reset of grippers will alter that printed position on that sheet in more ways than one.

Last but not least, be sure that the cylinder is riding those bearers. Just seven guesses—that is all. It could be the paper too wet or too dry—bed and cylinder not registering—gripper action off—badly worn shoe plates—tacky ink—bands and brushes not up—register rack not adjusted properly. Go down this list in case of trouble.

Angles in Case of Gutenberg Versus Coster

● THE TOWN of Haarlem, Holland, was recently the scene of a statue unveiling ceremony in honor of a lad who, it is alleged, held his finger in a leaking dike and so saved the town from a devastating flood. This heroic act has been one of Holland's most treasured traditions—one which, while mythical, deserved to be true.

A similar legend is one which credits a citizen of the same town with having been the inventor of the art of typographic printing—one Lourens Janzoon Coster (the name has had various spellings). Statues have been erected in his memory, medals have been struck in his honor, and noted bibliophiles have debated the pros and cons of his alleged invention. The story has little more factual basis than the preceding one.

Hadrianus Junius in 1568-1588 wrote a history of Holland known as *Batavia*. There had been a long standing tradition in Haarlem that the art of typographic printing had originated there, and Junius, gathering all the folk lore and gossip he could collect on the subject, wove it into a most incredible tale, replete with anachronisms and based entirely on hearsay. The essence of Junius' article is as follows:

"About one hundred and twenty-eight years ago there dwelt in Haarlem one Laurentius Costus (or Coster), who, when strolling in the woods near the city, undertook as an experiment, to fashion the bark of a beech tree in the form of letters. The letters so made he impressed the reverse way, consecutively, upon a leaf of paper in little lines of one kind or another, which he gave to the grandchildren of his son-in-law, by whose aid he invented first of all a thicker ink, for he found that the common ink spread or blotted. Thereupon he made, by the addition of letters, explanations for pictures engraved on wood. He subsequently changed the beech wood letters for those of lead, and these again for letters of tin, because tin was less flexible material, harder and more durable. As proof of these facts Junius says to this day may be seen some very old wine flagons which were made from the melting down of the remnants of these very types."

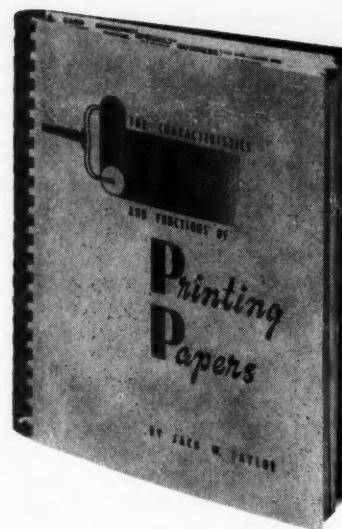
Then follows an incoherent account of an unfaithful servant named John (whether Faust or someone else, he did not trouble himself to learn), who stole the typesetting and typefounding tools and fled to Amsterdam, then to Cologne,

and finally regained Mainz, "where, within the space of a year, or 1442, it is well known that he published the *Doctrinal of Alexander Gallus* and the *Treatises of Peter of Spain*." None of these reputed documents have survived.

Junius, by an oversimplification of the problem of casting types, defeated his evident purpose. To change the beech wood letters for those of lead, and these again for letters of tin, was not a minor but a major invention—one which consumed more than a dozen years of Gutenberg's lifetime, and perhaps twenty more of Schoeffer's. This statement is also reminiscent of the language used by many ancient writers in describing the Gutenberg invention, and was derived, doubtless, from them. It appears to have been an afterthought on the part of Junius, who realized that his story was unconvincing and in need of bolstering. So he created the world's first typefounder, without preparation and without effort. But the only printing his hero did was some "explanations for pictures engraved on wood," some trifles which he gave to the grandchildren of his son-in-law. The printing of books was done by the villain who stole the tools of Coster and who, in 1442, or "within a year," printed in Mainz (?) books existence of which is not certain.

The account of Junius, carrying back as it did the date of the alleged invention of typographic printing by Coster one hundred and twenty-eight years, was based on a misconception of the real facts. At the time that Junius wrote his history (1568) it was the general understanding that the Gutenberg invention had occurred in 1450, as Trithemius in 1514 and John Schoeffer in 1515, and others had so stated. Junius thought, no doubt, that by placing the "thief" at Mainz in 1442 he had established the priority of Coster's invention at Haarlem, as the date of his story (1568), less one hundred and twenty-eight years, made the year 1440—the date when Coster "dwelt in Haarlem" and took his walk in the woods. But history was to prove otherwise. The Strasburg documentary evidence was not discovered until about 1760, and was therefore unknown to Junius, so the fact that Gutenberg had been engaged as early as 1436 in experimental printing escaped him.

(One of a series on the early days of printing by John S. Thompson, an authority on the subject.)



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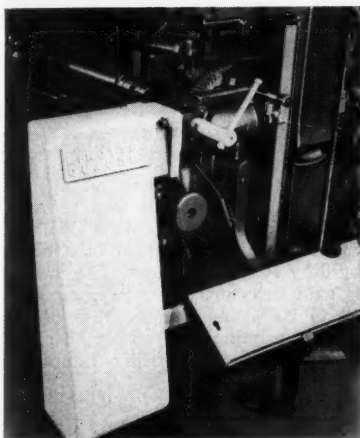
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*What's
New?*

in Equipment and Supplies

MERGENTHALER LINOTYPE'S new ML self-quadder, shown for the first time at the Exposition, can be installed on Linotypes manufactured within the past seven years without additional equipment, the company states. For other machines, some modifications would have to be made. New quadder, weighing less than thirty-five pounds, is attached to the left-hand side of the vise frame. A manual control, lo-



Mergenthaler's new ML self-quadder, shown as it is attached to the Linotype machine

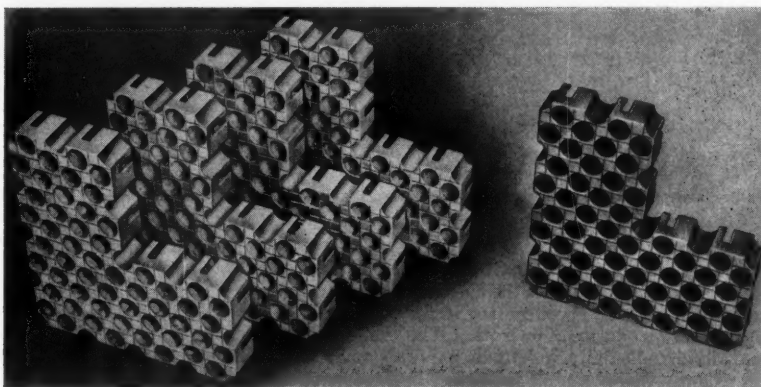
located to the right of the vise frame, between galley and keyboard, enables the operator to set for left and right quadding, and centering. With same control, the quadder can be disengaged for regular operation of the machine.

Adjustment of the left-hand vise jaw for desired measure is made with a hand wheel, while a micrometer knob is used for left vise jaw settings to off-measure slug lengths. A standard safety feature of the ML quadder is a device to protect against squirts. If operator accidentally sends through a loose line of matrices, a control prevents completion of the electric circuit, and casting will not occur. All integral parts of the quadder are outside the machine's casting area, protected from dust or dirt by a metal cover.

A **BANDLESS** perforator is made by Preferred Pressroom Products Company. It is a perforating, slitting, and scoring device for cylinder and job cylinder presses. The perforator is an-

nounced as operating directly on the packaging without the use of bands. It is said to work equally effectively on all paper from onion skin to light-weight card. The blade is described as fitting between two circular abutment discs which clamp the paper against the packing and limit the extent of penetration. The machine is equipped with an 8-inch perforating blade, a scoring blade, and a slitting blade. The perforator's knurled thumb-screws and micrometer side adjustment are claimed to permit fast installation and accurate register. The manufacturer states that perforating blades available are 2, 3, 4, 6, 8, and 12 slots to the inch; the 2, 3, and 4 slots are for snap-out forms and the 8 and 12 slots are for folding and tearing perforations.

A **STERLING TOGGLE BASE** made of magnesium has been developed by the Printing Machinery Company. The design of the base is said to be unchanged from the semi-steel base the company has produced, but the new material is 75 per cent lighter. The magnesium base weighs only .306 of an ounce per square inch, as compared with 1.251 ounces per square inch for the semi-steel base the company manufactures. The base is made in sections that can be assembled to fill any size chase. Close-tolerance finishing of the base is achieved by producing the base in sections. The lightness of the new base material permits the use of narrow chase bars, making it possible to slightly increase the printing surface of presses.



New magnesium Sterling toggle base weighs only one-fourth as much as identical semi-steel base

A **NEW Sperry Sheeter** is being marketed by Ford Instrument Company Division of Sperry Corporation for high speed trimming, cutting, and pile delivery of finished sheets from a web rotogravure press. Although designed particularly for the Sperry One Thousand press to handle its 1,000-foot-a-minute speed, the company states, the sheeter is readily adaptable to other rotogravure presses. Re-winding is entirely eliminated.

First component of the sheeter is the rotary slitter knife sheet trimmer which trims the edges of the web to the desired width as it flows from the press. The web is then fed to the cutting head where it is cut into sheets of desired length. The sheet pile delivery then picks up the sheets and stacks them.

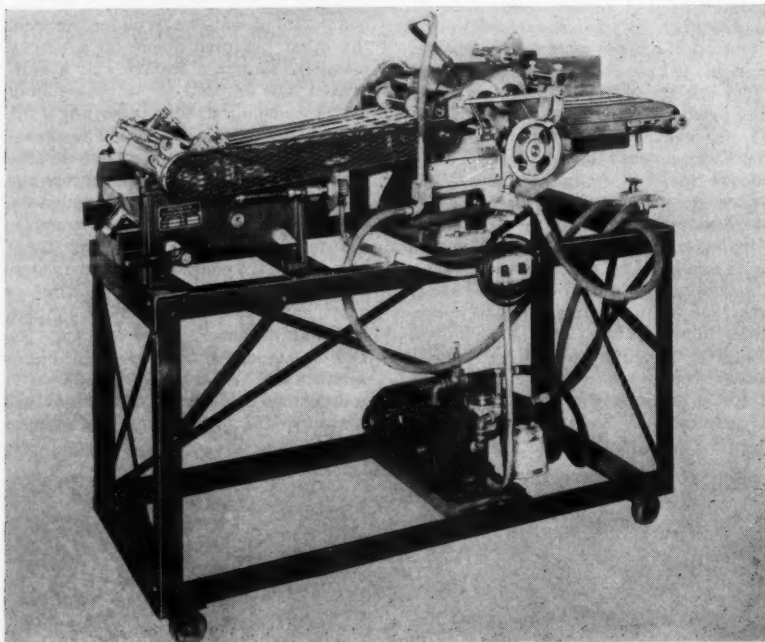
Sheet cutting is done with two straight blades which act as shears, one mounted stationary under the web, the other mounted above on a rotary member. To get a square cut, a calibrated dial is used to set the rotary cutter assembly at the proper angle for the desired length of sheet. The shearing action starts at one side of the moving web and progresses across the web as the rotary blade passes above the fixed blade beneath. Accuracy is assured by a photo-electric web scanner, a registry control unit, and an electric correction motor. At no time is there any actual blade-to-blade contact, the manufacturer states, even on the thinnest stock, so that wear and maintenance are held to a minimum.

Leaving the cutter, the sheets are moved to the pile delivery by a chain

drive, and are kept under control by a series of gripper bars. The drive chain "harmonically" reduces the speed of cut sheets to one-fourth the web speed, and a constant vacuum under the conveyor belt is said to prevent sliding or crumpling. The stack unit has two stationary sides and two jogging sides. When the stack is completed, receiving boards can be changed automatically without the necessity of stopping the press.

MAGIC PADDING PRESS, designed to lock a stack of paper in place by hand, is distributed by Turner Printing Machinery, Incorporated. Pressure up to 200 pounds can be applied. The Magic Pad can be moved anywhere without loss of pressure, after it is locked. The pressure is released by lifting up extended side levers. The base and the pressure plate are constructed of aluminum. Two sizes are available: 12-inch width—which takes a lift of paper up to 16 inches; and 18-inch width—which takes a lift of paper up to 24 inches.

POTDEVIN Machine Company is making a new continuous stream feed automatic gluer for applying adhesive to various-sized labels or other sheets. It has been designed particularly for simplicity of control and operation, the company states. Machine is mounted on a portable stand. Stock is fanned out on the feeding table by the operator



Potdevin stream feed automatic gluing machine for use on labels or other sheeted material

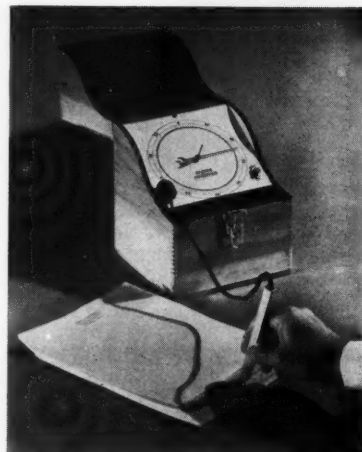
and is conveyed by tapes to the automatic air wheel which feeds it into the gluer. A foot pedal allows the operator to control feeding speed or set it for a predetermined rate of operation. The machine handles any weight of paper up to 5-ply index, and is furnished in 12-inch, 21-inch, or 27-inch widths.

THE THOMPSON (British) Automatic Platen Press has been introduced into this country by Hambro Machinery Division. The versatile machine handles long or short runs, prints on surfaces ranging from onion skin to 10-ply board and can handle small theater tickets as well as large 4-color process work. It is capable of up to 4500 impressions an hour, sheets delivered flat and jogged. Quick get-away, perfect register, cylindrical inking, geared inkers with reciprocating rider, smooth straight feed from the front, flat run-out delivery with sheet jogger, and quick change-over are other features claimed. The press weighs 3500 pounds and occupies a floor space of four feet nine inches square.

AN AUTOMATIC BOOK EDGE air-coating unit produced by Paasche Airbrush Company will, it is claimed, coat three sides of 200 books a minute, for books $\frac{1}{8}$ inch thick. Each holding fixture, the manufacturer states, holds ten books and the unit operates at a speed of 30 lineal feet per minute. The straight-line unit consists of a heavy pressed steel frame, approximately 12 feet long by 2 feet deep by 3 feet high, containing an explosion-proof electric motor drive with speed reducer and variable speed pulley to effect chain speeds of from 20 to 40 lineal feet per minute. Three automatic airbrushes with universal mountings are used to

exhaust and $\frac{1}{2}$ h-p. ventilating unit, exhausts all fumes readily and easily, the manufacturer states.

THE SONOR COUNTER, a two-piece portable electro-mechanical device for counting dimension-cut and jogged paper, paper products, and similar material, is announced as soon ready for the market. The counter, which weighs approximately 10 pounds, has a lever-acting tip that moves once each time it



Portable electro-mechanical Sonor sheet counter

is drawn across the edge of a sheet of paper. The count is then recorded electrically on the visible dial of the count recorder, contained in a box 8 by 8 by 10 inches in size. The counter is said to count paper ranging from 12 to 20 pounds at the rate of 250 sheets per minute, or a counter can be provided to count either lighter or heavier stock.

MODEL 300, an infinitely variable speed transmission, is offered by Graham Transmissions, Incorporated. Designed like a speed reducer, the transmission is self-lubricated, of all-metal construction, and is said to combine speed reduction and infinite speed variation in a single compact housing. Lever or micrometer controls make it possible to set speeds with hairline accuracy. Several types of remote control are available: mechanical, electrical, and pneumatic—all suitable for automatic speed control or proportioning processes and other applications. Model 300 is announced as available in sizes from $1\frac{1}{2}$ to 3 h-p., without motor or with built-in motors of all types. In addition to the standard drive, the transmission may be obtained with a reversing model which delivers all speeds forward and reverse without change of input reduction. A 5 h-p. unit for centrifugal pump or blower applications is also obtainable. The transmission housing ends are machined to take a NEMA "D" flange motor. The transmission itself may be mounted vertically for mixing or agitator applications.

EQUIPTO DIVIDERS, a new type drawer separator, is a tilt-type designed to speed operation, furnish full visibility, and reduce hand injuries. The dividers will be standard on all future Equipto parts storage equipment. The new tilt-label dividers are rigidly adjusted by means of dust-proof grooved side panels. Standard straight dividers are still available and are recommended for small box storage where the items must be lifted straight up out of the drawers.

ROSBACK AUTO-STITCHER, an automatic saddle stitcher especially designed for the smaller-sized printing plant, has been developed by F. P. Rosback Company. The machine has two standard Boston Number 26 stitcher heads (taking wire sizes from Number 25 to Number 30, round) and will handle saddle stitching in folded sizes from 2½ by 5 inches up to 10 by 14 inches, consisting of any number of pages from two single 4-page sheets up to 3/16-inch thickness (¾-inch folded). The stitches are placed mechanically.

When operating the machine, one person gathers the various signatures and places the collated booklet on the saddle. The conveyor carries the booklet under the stitcher heads where the automatic stitcher operating mechanism places either one or two stitches as required. The stitched booklet is thereupon ejected onto the stitcher delivery table, with the binding edge up for easy inspection and counting.

The Rosback Auto-Stitcher requires only three easy adjustments to go from one size of booklet to another. The manufacturer states that no specially skilled operator is required for it. The stitcher is available with or without the stacker delivery. When used without the stacker delivery, the stitched books fall into a box placed at the left side of the machine.

BLUE STREAK COMET is a new machine manufactured by Mergenthaler Linotype Company, designed as a simplified, two-magazine line-caster, capable of very high speed operation. The Comet, according to the company, can be operated manually, or with the Teletypesetter, at a speed of twelve lines of twelve-em length per minute. A special quadder, entirely tape-actuated, has been developed for Teletypesetting operation of the machine.

Among features of the Comet are the following:

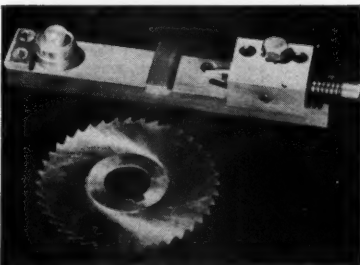
Angle of magazines is seventy degrees, instead of the normal thirty-seven, assuring quick response of matrices. Assembler driving mechanism has been simplified by substituting a geared belt drive for the gear drive. Keyrods act directly on the escapement plungers, eliminating escapement levers. An auxiliary camming arrangement, preventing shock of impact, allows smooth and quiet mold turning at high speed operation. The second elevator has been redesigned, and made lighter, to accommodate the

Letterhead Contest Decision Awaits Verdict of One Judge

Inadvertent delay in receipt by one judge of the 200-odd letterheads entered in our recent contest makes it impossible to report the winners in this issue as had been planned. Announcement of the result will therefore be made next month—assuming no unforeseen circumstances, of course—when, in our January issue, prize-winners will be named and the leading designs will be reproduced.

steeply inclined magazines and to meet higher velocity requirements. Channel entrance is shorter than on Model 31, and is almost straight, with a new horizontal adjustment added.

MODEL 600 saw swage made by Treyco Products is entirely steel constructed. The setting punch of this saw setter is made of hardened high-grade tool steel. Two locating plugs take the ½-, ⅞-, 1-, and 1½-inch center holes in circular saws. The setting punch holder is adjustable backward and forward to fit any size from 3½ to 10 inches in diameter and also to com-



Steel-constructed Model 600 Treyco saw swage

pensate for saw wearing. The locating plugs may be raised or lowered to correctly position the saw on the setting block. The saw swage, held in vise, will set saws as fast as a high-priced automatic machine, it is claimed.

MODEL D Plane-O-Plate new rotary shaver is announced by the Monomelt Company as especially developed for commercial printers, stereotypers, photoengravers, and the moderate size daily newspaper. The machine is also valuable, the manufacturer says, as standby equipment for any business demanding more than the average volume of high quality production shaving. The Plane-O-Plate has a ten-tooth, one-piece high speed helical angle cutter mounted on Timken bearings and adjustable for pre-load. The machine

has a seventeen-finger hold down bar with each finger under an individual spring tension, and a lightweight mechanical dump to collect shavings and keep the working area clean. Other features of the Model D include a hand-locking clamp, a shaving throwing collar for deflecting shavings and eliminating clogging of the cutter, a lead screw safety relief, heavy duty limit switches which control the forward and reverse travel of the table, a safety bar which stops the machine if too deep a cut is attempted, a rear roller hold down, and a micrometer dial.

A **COLLATING MACHINE** featuring low cost, production speed, and flexibility is offered by the J. Curry Mendes Corporation. The new completely automatic machine is said to handle from 5,000 to 7,000 individual sheets per hour. Any type of paper, from 4½-pound carbon up to heavy tag board, can be used. The manufacturer adds that extreme ranges in paper weight can be handled in the same collation. At a single time, up to six sheets sized 12 by 18 inches can be collated; and three sheets, 18 by 24 inches in dimension, can also be collated. The floor space area is 3½ by 6 feet.

MODEL "E" STAR Automatic Quadder is marketed by Linotype Parts Company. It features a new method of actuation; the main portion of the quadder housing the rack and gear mechanism, which moves the vise jaws, remains the same. The actuating slide of this mechanism derives its movement from a separate cam tied in with a hydraulic system. The hydraulic method of moving the actuating slide is said to result in a smooth vise-jaw movement. The patented train of racks and gears in the quadder housing is described as the final link in the measured control of the vise jaw. The separate new cam is attached to the end of the main cam shaft and is said to make the quadder free of machine wear.

I.P. BREVITIES

Stray items about the trade and the men who make it. Bits of information collected and set down here for your edification and pleasure. Edited by GEORGE EATON

★ *Newsweek* reports that irrigation of the Rogue River Valley recently inspired the following headline on the Grants Pass (Oregon) *Bulletin*: DAM IT!

★ When the Charleston (West Virginia) *Daily Mail* ran short of newsprint during the Canadian railway strike, editions were printed on blue paper. "We're not singing the blues, just printing on it," the paper said.

★ A report by the National Safety Council states that the printing and publishing industry was 31 per cent safer in 1949 than in 1948. There were 6.7 disabling injuries in the United States during that period for every million man-hours worked. Printing was eleventh in safety among the nation's industries.

★ Ford Motor Company, realizing that no worker throws away the paper his pay check is printed on, has check stubs with production-quality campaign messages printed in bold red letters and changed weekly. "Make Quality Pay Every Day" was one of the messages carried home by 110,000 hourly workers in thirty-six plants.

★ Interesting and helpful is *A Handy Digest of Today's Most Popular Body Faces*, distributed by Mergenthaler Linotype Company. Types of leading breeds of dogs are at the top of fold-out pages illustrating the company's varieties of type designs. Four Dachshunds suitably embellish the final message: Going A Long Way to Please.

★ This year, announced *Newsweek*, America's presses will use some 6,000,000 tons of newsprint—more than any nation ever used before; more than the consumption of the rest of the world combined. Canada is the greatest producer of newsprint in the world, having turned out 5,000,000 tons in 1949. Most of that went to the United States.

★ The *Combination Sheet* of Rolph-Clark-Stone, Limited, credits Anon. with the following trenchant quatrain:
I try to correct all the errors I make;
That's a high-minded goal, but a true one;
And I certainly never repeat a mistake...
No, I somehow come up with a new one.

★ The Fort Wayne Engraving Company recently held its second annual Tri-State Yearbook Exhibit for the im-

provement of technique in producing high school annuals, we read in *Wayne Crafter*. The exhibit ran three days and was attended by more than 250 persons, representing some forty organizations. The technical finesse shown in the exhibit is said to have surpassed even some of the more notable salons that tour the country constantly.

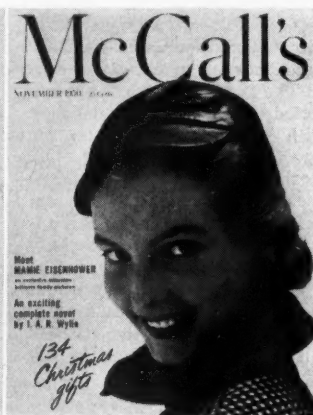
★ In 1870 James McCall started the McCall pattern business in New York City. He also began publication of an eight-page monthly fashion and pattern periodical called *The Queen*, later to become *McCall's Magazine*. Lost in the swirl of time are the early bound volumes of *The Queen*. The magazine seeks a complete (not a perfect) copy

mid-eighteenth century. One of only three or four in this country, the press will be on exhibition at the colonial printing office as part of a working demonstration of pre-Revolutionary period graphic arts. The press is the English wood type that requires some eleven different hand operations for each impression. It stands slightly over six feet high.

★ The ink industry spends 4 to 5 per cent of each sales dollar on research in contrast to 1½ to 2 per cent for industry in general, stated Jack Watson, manager of technical service, ink division, J. M. Huber Corporation, before a recent mechanical conference of the New England Publishers Association.



1902



1950

Comparison shows radical change in cover designing—for better—during 48 years

of Volume I, Number 1, of *The Queen*. For the first such copy received by McCall's before March 31, 1951, it will pay the sum of \$500.

★ The little-known printing career of Samuel Richardson, eighteenth century author whose *Pamela* has come to be regarded as the first English novel, is examined in a volume published by the Cornell University Press entitled *Samuel Richardson: Master Printer*. By Professor William M. Sale, Jr., the book is Volume 37 in the Cornell Studies in English series. It is said to be the most complete story of an eighteenth century printer and his press yet available.

★ American Type Founders and the Rochester Institute of Technology have presented Colonial Williamsburg, Williamsburg, Virginia, with an antique printing press dating from about the

Mr. Watson enumerated the three aims of the ink industry: continual improvement of present news inks; study of heat- and moisture-drying inks for newsprint; and study and development of inks which will dry instantly on the paper without any drying equipment.

★ The oldest printed calendar on record dates back to 1448, we read in *Printact*. And according to *Typographic Treasures in Europe* by Edward Everett Bartlett, a fragment of this granddaddy of all calendars was discovered by a Dr. Zedler, a state librarian in Wiesbaden, Germany, as part of a binding of a fifteenth century manuscript.

The annual volume of calendars distributed in the United States exceeds \$50,000,000. This sum represents approximately 6 per cent of funds currently being invested in direct mail promotion.

★ A subject always good for debate is whether operators can set more type from all capital wire copy or from upper and lower case. Bernerd Stern in a recent issue of *Editor and Publisher* reported an experiment he conducted with twelve newspaper production trainees. While the tests disclosed no significant difference in the amount of type set or errors in typesetting, the trainees said they preferred to set upper and lower case because it was easier to read and caused less strain on the eyes.

★ *The Stars and Stripes*, official publication of the United States armed forces, has opened shop in Korea, continuing a tradition of front-line news service to fighting men no matter how tough the job of printing the paper. Traditionally this newspaper for fighting men has been written and edited by noncommissioned personnel, generally with a minimum of supervision by officers. The world's largest paper route was claimed by *Mid-Pacific Stars and Stripes* during fighting against the Japanese. Military planes flew 20,000 miles daily to distribute the paper.

★ High production costs in the book production industry have brought about some interesting developments. Simon and Schuster's recent setup offers a paper-covered volume for one dollar. The identical book, in cloth, is published at the same time at a price ranging from \$2.50 to \$3.50. Some booksellers claim that it costs them just as much to stock the paper book—and the bookseller gets only a third as much on each sale. Ever-present in the competition for the reader's money is the pocket-size book. Sales last year of paper pocket-size books totaled \$187,000,000!

★ The New York Telephone Company, speaking of sizable press runs, announces "If set side by side, the 873,000 Manhattan alphabetical directories (delivered in Manhattan) would require a single bookshelf extending from New York City to Port Chester, New York. Spread flat on the ground, they would entirely blanket a farm of more than 13 acres. Their aggregate weight is almost eight times that of the Statue of Liberty. . . . About 65 per cent of old New York telephone books are collected each year and sent to a mill where they are made over into waste paper and cardboard."

★ Irish Master Printers' Association recently honored John Flynn with a mahogany desk inscribed in gold, a chair to match, and a gold-mounted walking stick in recognition of his eight successive years as president of the organization. Mr. Flynn is founder and proprietor of Grafton Publications, the largest periodical publishing house in Ireland. He is also the founder and proprietor of Monument Press, the largest privately owned letterpress and bookbinding business outside Dublin.

The MONTH'S NEWS

Devoted to timely items concerning men and events associated with printing. Copy must reach editor by 20th of month preceding issue date

JOHN S. PLUMMER

John S. Plummer, for twenty-one years Midwestern district manager of the Intertype Corporation, died on November 4, in Chicago, of a heart ailment. He was sixty-three years old. Born in Blossburg, Pennsylvania, he began his career as a practical printer in Indianapolis, Indiana, in 1912. He



JOHN S. PLUMMER

worked for such firms as the Craftsmen Typesetting Company, Mergenthaler Linotype Company, and Imperial Type Metal Company before he joined Intertype in 1929.

Mr. Plummer was widely known and highly regarded as a sales executive in the graphic arts industry, an industry in which he spent thirty-eight years. He was an active member of the International Association of Printing House Craftsmen, International

Typographic Composition Association, Supplymen's Guild, Chicago Typographical Union Number 16, Old Time Printers' Association, and the Illinois State Chamber of Commerce.

PETE BAER HONORED

Service Printing Company, LaPorte, Indiana, held a fiftieth anniversary dinner on October 28 in honor of John Peter Baer, its mechanical superintendent. A story of his long service with the company was presented at the recognition dinner. Nine employees of the company received service pins, in addition to the diamond studded fifty-year pin which was awarded to Mr. Baer.

ANTHONY WATKINS

Anthony Watkins, president of the Watkins Printing Company of Baltimore, died on November 12. His association with the company which bears his name covered a span of more than thirty years. Mr. Watkins was for many years active in the Graphic Arts Association of Baltimore. His sons Irving and Emmett will conduct the business of their late father.

MUSEUM'S FIFTIETH YEAR

A jubilee edition of the Gutenberg year book, the *Gutenberg-Festschrift, 1950*, has been published to commemorate the fiftieth anniversary of the Gutenberg Museum. The book, bound in half vellum, contains fifty-eight essays by as many experts in the history of printing and similar fields. As the essays are printed in the writers' own languages, the year book contains writings in German, English, French, Spanish, and Italian. Professor Dr. Ruppel is director of the Gutenberg Museum and vice-president of Gutenberg-Gesellschaft, at Mainz, Germany.

PLANT MAINTENANCE MEETING

The second annual Plant Maintenance Show and concurrent Conference on Plant Maintenance will be held at Public Auditorium, Cleveland, Ohio, January 15 through 18. Forty-five speakers are scheduled and more than 150 companies will display products designed to cut the maintenance bill of industry. The conference is being sponsored jointly by the American Society of Mechanical Engineers and by the Society for the Advancement of Management.

OFFER FOTSETTER BOOKLET

"New Horizons for the Modern Printer" is the title of a twenty-eight-page booklet describing the Intertype Fotosetter, said to be the first keyboard operated machine to produce photographic type composition on a commercial basis. A two-page chart details production economies in the letterpress, offset lithography, and gravure processes. Data on proofreading, correction and make-up procedures, and other features are also included in the profusely illustrated booklet.

EASTERN GROUPS PLAN FOR PRINTING WEEK, 1951

• A NUMBER of the eastern printing centers went to work early on plans for Printing Week, 1951. There was evidence that activities generally will be at least on a par with 1950, and some indications that more ambitious programs are being put into motion. Observances fall during the week of January 14.

Heading into its fifth year, Printing and Publishing Week of New England has added a sponsor to the original five Boston groups in charge of the program, and has enlarged its list of co-sponsors to include sixteen new or-



Kenneth S. Clodfelter designed this poster

ganizations extending from southern Connecticut to northern Maine. The committee states that the 1951 celebration will represent the greatest geographic spread in the history of the Week in New England.

Sponsoring organizations are The Bookbuilders, Boston Club of Printing House Craftsmen, Graphic Arts Institute of New England, Boston Litho Club, Society of Printers, and Screen Process Printing Association, the latter assuming a leading part for the first time.

Program features, centering in Boston, will include the annual machinery exhibit, a display of selected examples of fine New England printing, the Printing Week banquet, and a luncheon sponsored by the Advertising Club of Boston.

In New York City, Printing Week activities will focus on a double objective. One aim is to unite members of the industry in a fitting observance of the accomplishments and importance of the graphic arts. The other is to demonstrate to buyers of printing the strength of the printed word in promoting their own interests, with emphasis on the facilities for service and production available in the Greater New York area. Sponsoring organizations represent an inclusive list of printing, advertising, publishing, and educational groups, with a task committee, whose members are drawn from various segments of the industry, responsible for details of the program.

The traditional Ben Franklin observances will have a large part in the activities, bringing in city officials, educational leaders, and representatives of all branches of the graphic arts for programs at City Hall, in the schools of printing, and at several special luncheons and dinners.

That part of the program designed specifically to interest and instruct users of printing will be concentrated at the Hotel Biltmore during the first half of the Week. Here will be shown the eleventh exhibition of printing, sponsored by the New York Employing Printers Association. A customer-printer dinner will start things off Monday evening, followed during the next two days by a series of round tables, discussions, and programs offering opportunity for printers and other graphic artisans to get together with users of printing for forums on phases of planning and production.

In Atlanta, Georgia, the Printing Industry of Atlanta and the Atlanta Club of Printing House Craftsmen are promising the most extensive and colorful Printing Week program ever to be held there. Basic objective is to focus public attention on the size and importance of the printing industry in the social and economic life of the city. A banquet during the latter part of the Week is planned to publicize all elements of the contributions made by the industry to the community.

The week-long program will include special radio presentations, newspaper

feature stories on aspects of the city's graphic arts industries, an exhibit of printing sponsored by the Craftsmen, displays of printing equipment, and a school essay contest. January 14 has been designated as Graphic Arts Sunday, offering displays of famous Bibles, and comment from church pulpits on the contribution of printing to religion and the spiritual life of mankind.

Do You Know That . . .

• Jerry J. Matelan will be in charge of printing production for the advertising and sales promotion department of Mergenthaler Linotype Company, of Brooklyn. . . John C. Ouderkirk III has joined the staff of the Lanston Monotype Company, as has Michael H. Turecky. The men have been assigned to a course in special training at the factory in Philadelphia. . . Charles M. Andrews, vice-president of the E. P. Lawson Company, recently completed twenty years with the company. Mr. Andrews started with Lawson as an office boy. . . William J. Keller, Incorporated, Buffalo printing and lithographing firm, has purchased and will move into a plant built by the government during the war. The expansion program involves an investment of approximately \$250,000. . . Kenneth W. Henderson has been appointed advertising manager of Eastern Corporation, of Bangor, Maine. Mr. Henderson was formerly associated with Interchemical Corporation, as advertising manager of its Standard Coated Products Division. . . Albert H. Merz has

INTERPRET TWO DEFENSE ORDER RATINGS ABOUT ALUMINUM PLATES AND WORK FOR GOVERNMENT

• TWO INTERPRETATIONS of National Production Authority orders affecting printers have been obtained by Printing Industry of America, and have been published in recent issues of PIA's weekly bulletin, *Management Reports*. One of the interpretations has to do with the defense order rating on work produced for the Government Printing Office, or defense establishments and bureaus. The second reflects the opinion that the aluminum used in lithographic printing plates comes under the heading of "operating supplies," and therefore is exempt from the 35 per cent cut in nondefense use ordered to take effect January 1, 1951.

PIA reports that the National Production Authority has declared that the DO (defense order) priority rating system is applicable to printing contracted from the commercial establishments for the defense program. It means that a printer taking on a government job carrying the defense order rating is obligated to accord priority scheduling to that job, ahead of other nonrated jobs in his plant, if that is necessary to observe the de-

livery date agreed upon. It also means, according to PIA, that the printer may use the DO rating for priority to obtain priority to obtain supplies needed to carry out that particular job. Taking paper as an example, it is explained that a paper merchant or mill is obligated to observe the DO priority in delivering paper required for the job to meet the delivery date—provided that such delivery does not interfere with other DO commitments already contracted by the supplier.

Lithographic aluminum plates, according to the second interpretation, being classed as operating supplies, do not fall under the 35 per cent cut order. A lithographer may use up to the same amount of aluminum plates on non-defense work which he used in the base period defined by the order. The base period is the average quarterly consumption during the first half of 1950. PIA also states that aluminum plates for defense order jobs fall outside the base period quota, and do not have to be included by the lithographer in estimating amounts used toward his 100 per cent nondefense allowance.

been appointed president of Inta-Roto Machine Company of Richmond, Virginia, and Otto Rich named secretary-treasurer. Mr. Rich is chief engineer. . . . Andrew Jackson Farr, associate secretary of the Graphic Arts Association of Illinois, passed away November 7 in his office after he suffered a heart attack. Mr. Farr was fifty-eight years old. . . . Cline Electric Manufacturing Company now combines its various Chicago operating units and general office under one roof in a two-story plant that has additional area for expansion.

EDWIN CHARLES WELDON

Edwin Charles Weldon, vice-president and assistant treasurer of the Kingsport Press, Incorporated, and a director of the firm since 1945, died from cerebral hemorrhage on November 6. Mr. Weldon was sixty-one years of age. A grandson of James Thouboron, who introduced into the United States the "flock" printing process, Mr. Weldon was a skilled stylist and book production expert. A hunter and fisherman, he was also greatly interested in gardening. All the officers and directors of Kingsport Press attended the funeral services, together with the entire New York staff.

LITHOGRAPHIC AWARDS

The initial awards competition of the Lithographic National Association, to be held early in 1951, will cover all lithographic work produced in 1950. One objective of the competition is to spread information about the many technological improvements and developments in this process that have been made in recent years. A total of ninety awards will be made from eighteen classifications. In addition to awards for the best examples of work in each classification, there will be gold, silver, and bronze awards for the three best offset-lithography examples produced in 1950. Closing date for entries is December 31, 1950.

TRI-METAL PLATE AGREEMENT

Sinclair and Valentine Company, of New York City, has been appointed as agent of International Printing Ink Division of Interchemical Corporation to issue licenses under IPI's United States Patent Number 2,291,854. This has been done to facilitate the use of the "Tri-Metal" offset plates on which Sinclair and Valentine has done considerable independent work. All licenses, it is announced, whether issued by IPI directly or by Sinclair and Valentine or by any other appointed agent, will be on exactly the same terms.

DRUPA APPLICATION DATA

The exhibition committee of DRUPA (International Exhibition of Printing and Paper at Dusseldorf), which will be open from May 26 to June 10, has fixed December 31, 1950, as the final date for the receipt of exhibitors' applications for participation. Applications should be addressed to Nordwest-

deutsche Ausstellungs-Gesellschaft m.b.H., Dusseldorf, Ehrenhof 4, (Germany), the agency in charge of the technical and commercial management of DRUPA.

INTERTYPE NAMES H. H. MOAD

Howard H. Moad has been appointed manager of the Midwestern district for Intertype Corporation. Mr. Moad succeeds the late John S. Plummer, who held the position for over twenty years. Mr. Moad, who joined the corporation in 1946, has been the Intertype representative in Indiana. He learned the printing trade at the Sumner (Illinois) Press, was a printer and operator on



HOWARD H. MOAD

the *Flora* (Illinois) *Daily News Record*, published the *Clay City* (Illinois) *Advocate*, and was service editor for the Western Newspaper Union in St. Louis, Missouri. He worked in the printing production department of the Chicago *Herald-American*. Mr. Moad was advertising manager for the Chicago Vitreous Enamel Company for two years prior to joining Intertype Corporation. He is a member of Typographical Union Number 64 in Lafayette, Indiana.

PROFIT SHARING PROGRAM

Over 6,800 employees of the Minnesota Mining and Manufacturing Company recently received checks for a share of the firm's profits covering the second quarter of 1950. A total of \$349,375 was set aside for distribution to employees at twenty-eight plants and offices in fifteen states. The company has made fifty-four consecutive quarterly profit-sharing distributions. Permanent employees not participating in any other form of extra compensation are eligible for the dividend payments that are based on individual earnings for the quarter.

HAMILTON SPECIMEN CONTEST

W. C. Hamilton Company, Miquon, Pennsylvania, on November 1 launched a text and cover printed specimen contest for its merchants. The contest will continue monthly. Company salesmen are to submit specimens, printed after September 1, 1950, of jobs for which the salesmen have supplied any one of several papers manufactured by the company.

Printers who produce the winning pieces will receive certificates of craftsmanship awards for first place, second place, and five for honorable mention. The printers will also have the possibility of reprinting 2,000 copies for national distribution by W. C. Hamilton. Cash awards will be given to the winning salesmen.

A. Colish, of A. Colish, Incorporated, New York; C. William Schneidereith, of Schneidereith and Sons, Baltimore; and Raymond Blattenberger, of Edward Stern, Philadelphia, will judge the contest as to printing craftsmanship, suitability of paper to the purpose, typography, and design.

A. E. GIEGENGACK RESIGNS

Augustus E. Giegengack recently resigned as executive vice-president of Lanston Monotype Machine Company but will continue as a member of the firm's board of directors. For his work as president and general manager of the National Graphic Arts Expositions, Incorporated, Mr. Giegengack received the first annual Graphic Arts Man-of-the-Year award. He was Public Printer of the United States from 1934 to 1948, and in 1947 received a Certificate of Merit from President Truman. Mr. Giegengack expects to resume activity in the graphic arts after he has taken a long delayed vacation.

PEAK ROCHESTER ENROLLMENT

The Department of Publishing and Printing at the Rochester Institute of Technology reports a maximum enrollment for the 1950-51 school year.

Enrolled in the basic program are ninety-six freshmen and eighty-two seniors returned to complete their two-year, two-summer training. Thirty-six of the freshmen have selected offset lithography for senior study, nine have chosen printing design and layout, and the remainder have preferred some phase of letterpress printing. Byron G. Culver is supervisor of the graphic arts center.

COMPLETES MODERNIZATION

American Writing Paper Corporation, of Holyoke, Massachusetts, has completed a ten-year rehabilitation program at a cost of over \$1,000,000. During the thirteen-year tenure of the present management, led by Thomas Harper Blodgett, who is the president and chairman of the board, the company has sold the Beebe-Holbrook, Wauregan, and Parsons divisions to the Holyoke Water Power Company and the Riverside Number 2 plant to the National Blank Book Company.

The corporation will operate six mills that house ten papermaking machines and the supplementary equipment. The mill consolidation and rehabilitation program covers Linden, Nonotuck, Mt. Tom, Crocker, Gill, and Albion divisions, and a central power plant. Quality control has been improved, it is reported, by increased supervision of manufacturing processes. Sales and advertising departments will continue in the main offices at Holyoke with branch offices in Boston, New York, Chicago, and San Francisco.

TYPE FACE TRACING SETS

Complete sets of forty-six ATF type faces reproduced on cards for tracing purposes, have been made available by American Type Founders. Purpose is to provide accurate copy for typographers, designers, and layout men in tracing display type on tissue layouts.

Each set, the announcement states, is contained in a hardwood file box, and consists of 84 cards, 10½ by 7½ inches in size, showing complete capital and lower case alphabets, including figures and punctuation points, for every size made from twelve point to seventy-two point. In addition, lower case alphabet lengths and characters per pica in normal composition are given for each face up to thirty-six point. Among the type families represented are Bernhard, Bodoni, Franklin Gothic, Garamond, Lydian, Spartan, Stymie, Bulmer, Brush, Contact, Grayda, New Caslon, Kaufman Bold, News Gothic, and Onyx.

Sets may be procured at \$5 each, delivery prepaid, from American Type Founders, 200 Elmora Avenue, Elizabeth B, New Jersey.

CRAIG & O'KANE CORPORATION

Craig & O'Kane Corporation, a new firm dealing in printing equipment, has been established in New York City. The heads are John Craig and Hugh O'Kane. Mr. Craig is well known in the supply field in the New York area, his most recent previous association being vice-president of Payne & Craig Corporation, now known as Ernest Payne Corporation.

Mr. O'Kane is an electrical contractor, specializing in work for printers, bookbinders, and lithographers. The new firm, it is announced, will deal in letterpress, offset, bookbinding, and typesetting machinery, as well as electrical contracting.

LINOTYPE SPECIMEN BOOK

Mergenthaler Linotype Company has announced distribution of a new one-line specimen book of Linotype faces to a restricted list of printers, designers, and publishers. The book includes one-line showings of 1260 individual type faces, more than 1400 items of decorative material, and 121 individual alphabets of popular body and display types. Keyboard diagrams, copy-fitting tables, an index, and miscellaneous data on printers' measurements are also included.

LONDON PRINTING REPORT

The number of compositors idle in London was recently reported to be 4,970, of which 4,300 were dismissed and 670 withdrawn from work by the London Master Printers Association. The LMPA earlier stated that dismissals and strikes of members of the London Society of Compositors were likely to imperil the jobs of 15,000 more workers in the London printing industry.

A recent court of inquiry rebuked the LSC for exploiting its key position. The court recommended that negotiations between the parties should be resumed, dismissed men be reinstated, and normal working conditions resumed. The court observed "a continued scarcity of labor in London may

well be injurious in the long run to the unions' and employers' interests, because it will lead to more work being done in the provinces and abroad." The court added that "the main obstacle to agreement on a wage structure has been the inability of the unions to agree on a method of conducting collective negotiations."

LINOTYPE DIGEST

A Handy Digest of Today's Most Popular Body Faces is the title of a booklet offered by Mergenthaler Linotype Company of Brooklyn. Fifteen type faces are listed and suggestions made as to the best reproduction methods and paper stock to use. The type face sizes and combinations available are listed under each type heading.

SAVE 50% IN STITCHING LABOR COSTS

*One Girl
does the work of two
with the NEW*

ROSBACK AUTO-STITCHER

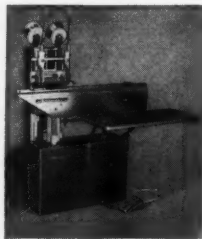


... a boon to the smaller bindery
... a profit-maker for any printing plant

Here, at a price ANY plant or bindery can afford, is an automatic stitcher that gives twice the production with one operator that the same operator can obtain from a pedestal stitcher.

The new Rosback Auto-Stitcher has two standard Boston quarter-inch stitcher heads and will handle any saddle stitching job in folded sizes up to 10" x 14", in thicknesses up to ¾" (¾" folded).

The Auto-Stitcher can be operated by anyone after a few moments of instruction—no special skill is required. Stitches (one or two) are placed mechanically and booklets are automatically ejected onto stacker delivery table. Speed is variable for from 12 to 36 books a minute, according to operator's skill and number of signatures she has to insert. Machine available with or without stacker delivery which may be added later, if desired. Without stacker, stitched books simply drop into a box placed at left side.



Rosback Auto-Stitcher without Stacker Delivery which is shown in upper illustration.

This low-cost automatic stitcher soon pays for itself through the 50% reduction in labor costs and earns dividends for years to come. Your Rosback Dealer can give you full details; or write us for complete bulletin, specifications and price.

F. P. ROSBACK COMPANY • Benton Harbor, Michigan

World's Largest Manufacturers of Perforators, Gang Stitchers and Paper Punching Machines

By EUGENE ST. JOHN

the pressroom

Questions will also be answered by mail if accompanied by a stamped envelope. Answers will be kept confidential upon request

AIR ERASER

This is a helpful tool for artists and platemakers. An adaptation of an artist's air brush, it is a miniature sand blast gun for speeding up erasures on artist's copy and plates by means of the abrasion of a fine stream of pumice and air under a pressure of about thirty pounds. Preferred over Chinese white for use on artwork it is faster than a snake slip on plate. The gun is about the size of a fountain pen with a small reservoir for the pumice. Idea originated in a similar tool used by dentists in cleaning teeth.

FAST JOB PRESS

In reading *THE INLAND PRINTER* for September under *The Pressroom*, I find that someone has requested information under the heading, "Fast Job Press." We have about the same problem and I shall greatly appreciate it if you will let us have the benefit of some of the answers.

The press in question is fast on envelopes and the run of the hook jobs within its chase capacity. We have sent information about it to you.

TROUBLE IN MATCHING COLORS

For reasons unknown to us we have so far failed to match the cream colored cover ink on the Oxford gray cover piece and the red ink in the print of a solid plate on the heavy Number 1 enameled coated paper in the samples herewith. Just wherein does our difficulty lie? These samples were printed elsewhere to match original art.

The artist is not limited to a thin film of color as in printing. He can lather the paint on as thick and in as many layers as he thinks best in order to obtain a certain effect which he is paid to obtain. With few exceptions, artists are little interested in the practicalities of printing. However, Maxfield Parrish in particular and some other prominent artists went to considerable pains to prepare paintings for the photoengraver in line with suggestions for printing them to the best advantage in the mutual interest of all concerned.

In the paint and varnish industry, when it is desired to show paint as it will appear when properly applied to the material to be coated an expert painter will brush the material or it will be painted via the dip tank.

As a printer you cannot make such lavish use of color—not in a single impression on a printing press. However, by bumping the form twice, the second time after the first impression is well set but not bone dry, you may attain the match. In the case of the cream color cover ink, mix it with a high grade titanium cover white, English vermilion, and deep orange chrome yellow, all opaque for use on colored cover paper.

To match the strong and glossy red on heavy Number 1 coated paper, mix a little red with titanium white to make a cover pink ink for the first impression and after the pink has set, bump it the second time with bronze red ink.

PLASTICOATING

We are enclosing a self-addressed stamped envelope for your reply to this question: What is plastic coating and where is it done?

Plastic coatings of different kinds are applied on various materials by dipping and spraying, and on coating and laminating machines by converting and finishing concerns and others. We are sending you a list of manufacturers of supplies and equipment. Any of these will be pleased to mail you information in detail.

REGISTER ON BALLOONS

How is close register obtained on toy and other printed balloons?

The balloons are inflated to the recommended size and printed by hand either with a rubber stamp or by rolling the balloon slowly over the rubber form. The inks have a rubber cement vehicle.

In order to obtain register, recourse to the method used by the first printers five centuries ago is preferred. The blocks for colors were mortised to fit snugly into each other, inked separately in different colors, combined, and the assembly printed in a single impression. Probably no other method could have produced the colored initials in the first books.

STATIC-REMOVING BRUSH

We have heard that there is a static-master brush for removing dust and lint from negatives and other film, thereby reducing the time ordinarily spent in opaquing negatives when the negative carries a static charge that holds dust and lint on the film.

This helpful tool for photographers and others is on the market. We have sent information to you.

THERMOGRAPHIC POWDERS

We understand there are various powders made in different colors such as gold, silver, red, black, blue, and so on, which, when applied to ink and heated, form raised printing for letterheads, greeting cards, and other pieces. Can you give us names of suppliers?

It is also possible to get such powders in white, simulating snow, and

Answers to It's a Quiz

Here are the answers to the quiz on page 47. What is your score?

1. Power press era, 1811 to 1856; self-fed press era, 1865 to the present.
2. Frenchman: Firmin Gillot, 1850.
3. a—Frederic E. Ives in 1885; and b—Louis and Max Levy in 1886 and 1893.
4. c—When England's Blackwell founded his business in 1755.
5. Before, when William Rittenhouse started making paper in 1690.
6. The Gothic Blackletter type face of Gutenberg.
7. c—1905.
8. d—Marder, Luse & Company of Chicago started the standards here in 1885.

of course in black, both glossy and dull finish. Thermography is the name of the process, also called raised letter printing and imitation embossing. This process has been developed so that it really is attention-compelling. It is extensively used in other fields than printing, such as the textile industry, for transfers and so forth. Suppliers of thermography equipment can furnish the powders.

ELECTROTYPING CORRECTIONS

When setting up corrections for the electrotyper it is better to set up a line or two or even a very short paragraph at times than to set up a few words of a line. This makes it easier to make the correction. Proof should always be sent with the form to the electrotyper.

PRINTS FROM NEW ZEALAND

The New Zealand Journal of Agriculture has transmitted to us four recent four-color covers of this departmental monthly of 96 or 112 pages printed under contract by a private firm, Blundell Bros. Ltd., Wellington, on Kellys and Michles. Circulation, October, 1950, is 148,000. These covers are of outstanding excellence, reproduced by the four-color masking process from Ansco and Ektachrome transparencies. The cover is printed in four colors dry from originals on two C. E. Kellys, the order of printing being yellow, red, blue, and black. After about half the yellow run is completed, the second press starts the red run; the first press takes over the blue when the yellow is completed, and so on. No definite drying time is allowed for the overprinting, the length of the run being sufficient to insure the correct state of the ink for overprinting.

"Our first reproduction of a transparency on the cover," the editor writes, "was for the November, 1949, issue, and subsequently our printers have been able to improve their technique to such an extent, including the development of home-made masking equipment, that we are getting first-class results."

"First-class" describes the photography, platemaking, and printing, which would stand out in any surrounding. Congratulations!

CHOICE OF NEWSPAPER PRESS

We have a newspaper with a circulation of 3,000 with prospects of growing to 4,000. We run from ten to sixteen pages weekly—seven columns, thirteen ems. With prospects of labor conditions becoming acute, we toyed with the idea of installing a flat-bed web press, but investigation showed us that returns from our investment would not warrant acquiring one. Could you suggest a good flat-bed cylinder press capable of printing four eight-columns, twelve-em pages at a time, perhaps with an attached folder and possibly a feeder on the press? We would appreciate the addresses of companies to whom we could write. Also, what type of motor would a press such as we have in mind require? We have on hand an excellent 5 h.p. variable speed motor which we could use if it is powerful enough.


Such a motor is powerful enough. We are sending the addresses you have requested.

POINT SYSTEM IN MAKEREADY

As printers we are of course familiar with the point system of type measurement. We come across reference from time to time to the point system as used in makeready in the pressroom. Will you briefly explain this point system?

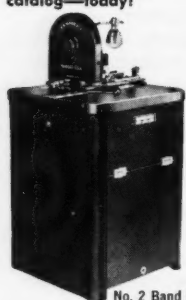
Overlays are adhered to a sheet of the packing generally a few sheets below the top drawsheet (tympan). The perimeter of the packed cylinder increases with each sheet added to the packing. If a print had been pulled on a sheet, say, four sheets below the drawsheet, a print pulled on a sheet on top of the drawsheet would be longer from gripper edge to the rear. In other words, the two prints on the different sheets would not be in register without which an overlay is useless.

In order to cope with this difference, a second top drawsheet is reeled on over the regular top drawsheet but not pasted on. An impression is pulled on this extra top drawsheet and marked for register with an awl or hollow punch which then becomes the base upon which overlays are pasted, after it has been removed from the top of the packing by unreeling and raising the clamps. The stabbed or punched mark reaches to the sheet in the




Practically every printing plant in the world uses one or more of these

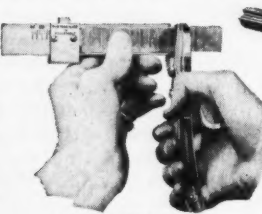
For absolute accuracy and extra profits, order Rouse time-saving equipment. Write for complete illustrated catalog—today!




No. 2 Band Saw



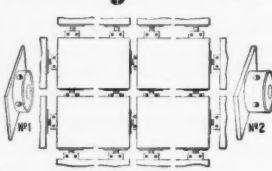
No. 40 Lead and Rule Cutter



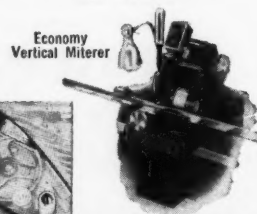
Slug Clippers



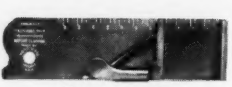
Hand Miterer




Register Quoins




Economy Vertical Miterer




Composing Stick



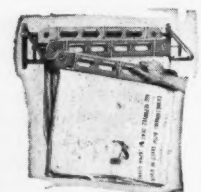
Line Gauge




Make-Up Rule



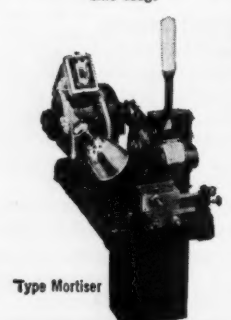
Sennett Positive Assembler




Newspaper Wall File




Lino Slug Cutter




Type Mortiser



Form Truck



Tympan Paper Holder-Vertical or Horizontal



Press Seat

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packing on which the overlay base sheet is to be hung.

In order to get the print on the overlay base sheet in register with the marks stabbed or punched in the sheet lower in the packing, the print on the overlay base sheet is cut into sections. For example, the point sheet for a thirty-two page form might be hung in quarters (eight pages). The point sheet is marked 1, 2, 3, and 4; 1 and 2 are the gripper edge sections.

Stabbing in the center margin of each four pages is more accurate than stabbing at the top of each section. In cutting the point sheet into sections and trimming, the stab marks must not be cut off. The point sheet sections 1 and 2 should extend almost to the gripper edge of cylinder surface and all four sections must lie smoothly on the packing beneath. The idea in scanty trimming is to keep the packing as close to uniformity in thickness as possible.

Because of compression in packing and other causes, registration of the stab marks on the point sheet and the sheet on which it is pasted may not result in register in a subsequently printed sheet. It becomes necessary to move the sections of the point sheet a trifle as indicated.

On the smaller cylinders of job cylinder presses, the increase of cylinder perimeter from the increased packing is comparatively more pronounced than on larger cylinders and is taken care of in locating the point sheet in relation to the stab marks, as will be indicated by taking a trial impression.

In some plants the units of the form are sent to press type-high and the presses kept in good condition. With the press running at speed for the run, an impression is then pulled on the extra top draw, one sheet lighter than the squeeze planned for the run and with no more than the right supply of ink. Too much ink and squeeze will hide the weak impression areas. Not enough squeeze leads to guesswork in marking out the overlay. Under these conditions really first-class jobs are often started with just the leveling overlay on the point sheet and the cut overlays when these are used.

The point system of makeready gradually became the preferred method following the turn of the century. Prior to its general adoption, the card system of registering overlays was in use. It was satisfactory but required a little more time than the point system.

BLACK SPECKS IN THE PRINT

We have a customer (operating a fairly good size plant with modern equipment) for whom we have been making plates for a number of years. Just recently he ran into an unusual problem, in that the zinc halftones for a certain job printed with a lot of black specks. The plant claimed that the plates had to be washed up every few hundred impressions in order to produce an acceptable job. We had them return the halftones to us. On careful examination we cannot find anything wrong with the plates, which we have checked for depth (normal and it does not seem to be undercut in any way).

Our idea is that the trouble is caused from dirt in the ink or lint from the paper but the plant claims that it used the same ink on other jobs without trouble. The paper used on this job was bought in 1944. We cannot tell from examining it whether it is defective or not, but we rather feel that the paper may be at fault. The condition has us

stumped. Of course, a printer always blames the cuts whenever anything goes wrong so we have suggested that we send the cut and the printed samples to you for your opinion. You have helped us out in the past.

These black specks in the black print may be found in the bowls of type letters as well as in the zinc halftones. They have the familiar appearance of foreign matter in the ink—either bits of dried ink skin or dirt or dust which had dropped into the ink on the press from the paper direct as the sheets were fed or from the press or the press brush. This does not necessarily mean that the ink or the paper are faulty.

Ink skin can get into the inking system of the press from both can and fountain. Paper may have a coating so well bonded to the stock that it does not come off in a test for good adhesion, such as rolling it up into a ball and noting whether



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coating comes off in powder form, and still paper can pick up dirt and dust between mill and dealer and printer. Careless jogging following careless removal of paper from wrap and container can put a lot of dirt and dust between the sheets, which is increased by careless cutting.

If press and brush are not cleaned as often as needed some of the previously mentioned dirt and dust from paper will fall into the ink on the press. Wedges in the pile on the feeder table, if not smooth, will scrape the coating off paper and leave it in the pile.

Sometimes in the effort to cope with curl, the edges or corners of the sheets are bent back against the curl. This may loosen the adjacent coating on the sheet. Or loose tapes on the press can slap against the coating and loosen it. Dust and dirt from the air also get into the ink.

As previously noted the coating of this paper does not readily leave the sheet and the ink clearly is not picking. So the only possible causes of the black specks are dirt and dust from the air, the ink, or from the paper, due to failure to keep the paper and the ink free from dirt.

Have You Printed Snap-out Forms?

By Eugene St. John

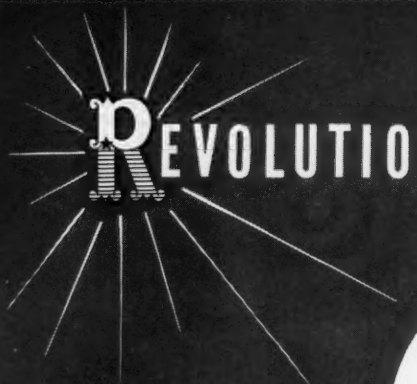
● The constantly increasing use of carbon interleaved snap-out forms in business and industry presents an opportunity to the commercial printer. While the manufacture of continuous fanfold forms requires roll-fed presses and rotary collating machines, the production of snap-out forms is comparatively simple. Printers the country over are printing them on all types of sheet-fed presses.

A snap-out form is a set of collated sheets of carbon paper and printed forms, jogged to the top and glued. The printed forms in the set are perforated. The carbon paper interleaves are not perforated and should be from one-half to one inch shorter than the printed sheets, so that when a set has been used, the stub may be held in one hand and all the printed forms snapped out with the other. The one-time carbon sheets, not perforated, remain glued to the stub.

The preferred perforations for the printed forms is the long slit, two or three to the inch, with one-sixteenth inch bind. For heavier stock, the slit may be longer to reduce number of binds between slits for easy separation. Perforating can be done on rotary perforating machines or with special perforating rules for press perforating depending on nature of the work to be done.

For hand gathering, sheets not wider than eighteen inches are easiest to handle rapidly and the number up run of forms is limited accordingly. Racks with bins taking forms up to eighteen inches wide and sixteen inches deep are preferred for speedy hand gathering. All sheets, both printed and carbon, constituting a complete set, are put in separate bins, in order of sequence from the bottom to the top bin. Beginning at the bottom of the rack, each sheet is partially withdrawn until a full set has been gathered, then the complete set is withdrawn and dropped into the jogger.

While jogging may be done by hand, this is not economical. A jogging machine should be used because it is extremely important that the jogging be so well done that all sheets present an exactly aligned edge for the following gluing operation. Snap-out forms were the



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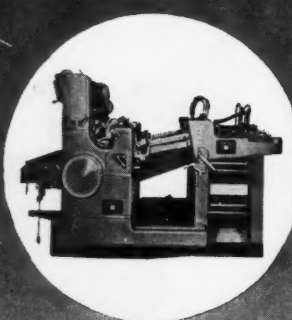
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principal reason for the introduction of the various jogging machines lately put on the market. The carbon sheet should be a trifle narrower than the printed form to favor better jogging of the carbon sheets in obtaining exact alignment of top edge of all sheets for proper gluing.

Good padding presses for snap-out forms which firmly hold the pile have been introduced. Unless one of these is at hand, a weight should be placed on top of the pile.

A special penetrating glue instead of padding cement should be used on snap-out forms. It penetrates about a pica and makes a permanent bond. It is applied with a padding brush in two coats at ten-minute intervals. After the glue has dried, in about one hour, the pile may be slit apart into sets with a padding knife. A convenient guide for separating sets is provided by allowing one-sixteenth length or width on bottom form sheet so that it overhangs the other sheets.

After forms have been slit apart into sets, if they had been printed more than one up, the next step is to cut them apart on the paper cutter. The knife should always travel toward the glued edge.

How high a lift can be cut depends upon the cutting machine, the clamp, the knife and its sharpness, so too high a lift should not be cut at first. A lift two and one-half inches high might be tried first. When the forms have been run many up, they should first be cut down to about eighteen inches in width with the form heads in one direction.

Because of difference in carbonizing it is safer to first cut about one hundred sheets and examine for smear. Most jobs can be cut by adhering a piece of chipboard about three-sixteenths inch thick and of a width slightly less than half the margin between forms to the bottom of the cutter clamp in order to diminish pressure of clamp on the forms. The form under the knife should be packed up underneath with tagboard about one-thirty-second of an inch thick, so that when the knife goes down it will be through the paper before it hits the cutter stick and thus keep considerable jar off of the outside form. Otherwise, because the inside form cuts smooth and the outside form cuts rough (with burred edge), the outside form takes nearly all of the jar and naturally would be more likely to smear.

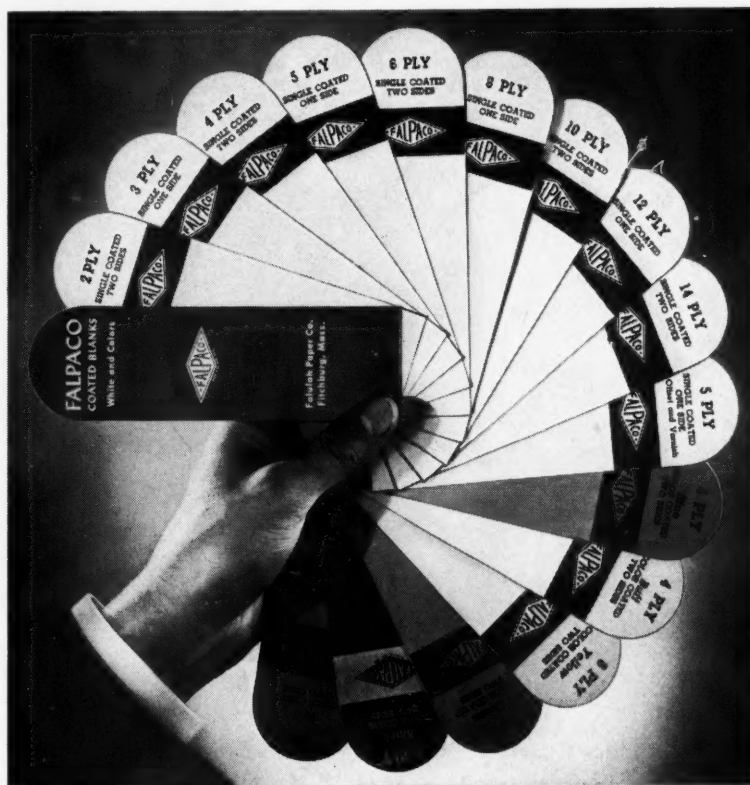
When the foregoing makeshifts fail, the experienced operator uses

a "sponge pad" and omits the chipboard slip on the under side of the clamp. The sponge pad consists of about eight thicknesses of corrugated board, glued together and then glued on top of a thick piece of chipboard about two and one-half inches by ten inches. This pad is placed under the clamp at one side of the lift to be cut. Next, the operator feels his way along and may have to increase the thickness of the pad somewhat. The way to ascertain suitable thickness of pad is to use a lift of waste sheets of the same thickness as lifts of stock to be cut, using this as a thickness gauge and keep letting the clamp

come down on it until the operator can just barely pull the lift of waste stock out from under the clamp.

On all jobs where the sponge pad and the chipboard strip (above mentioned) are used to relieve the pressure from the clamp, the device on the paper cutter, which is different on different makes, is used to remove clamp pressure. Two sheets of chipboard on top of each lift also help to distribute clamp pressure.

Because the carbon inserts do not extend to the bottom of the printed form sheets, a cardboard strip of suitable width should be secured to the under side of the clamp to obtain a clean trim at bottom of sets.



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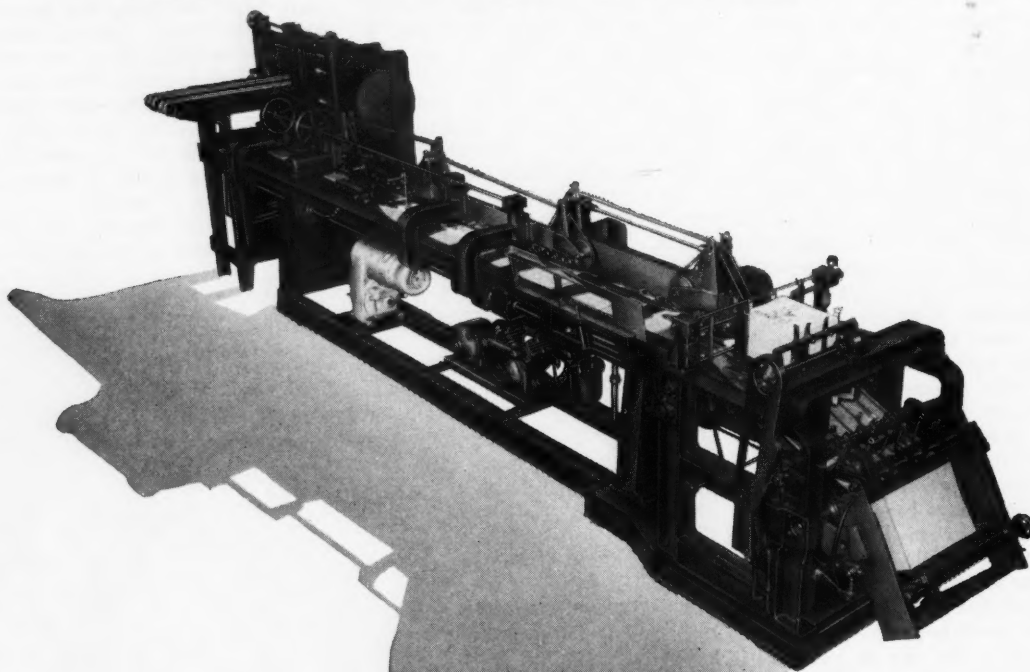
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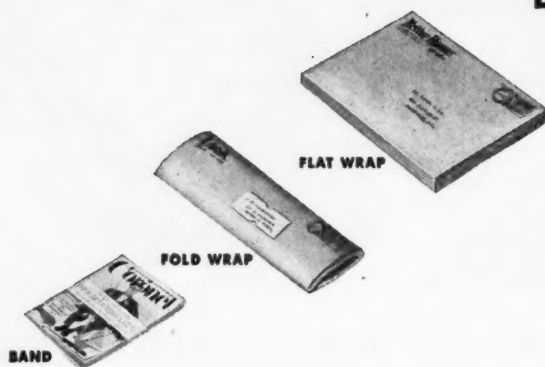
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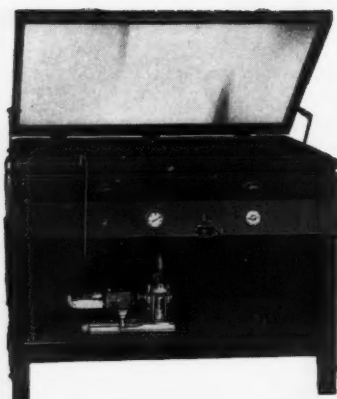
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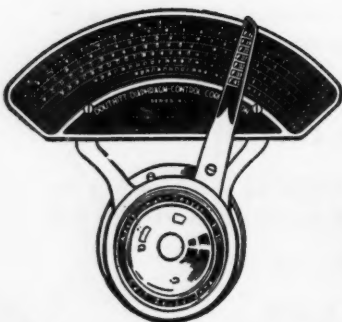
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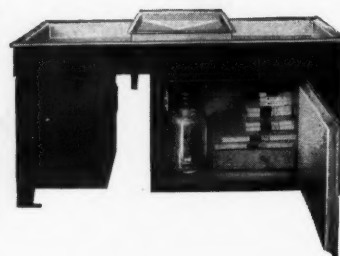
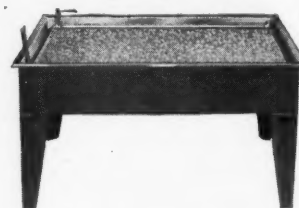
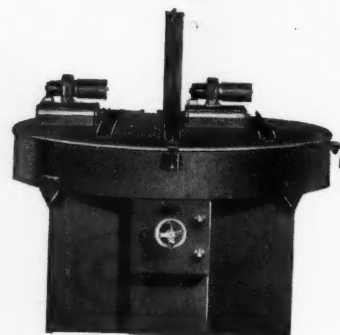
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6

SIX DIFFERENT KINDS OF LISTINGS ARE INCLUDED IN THIS DIRECTORY OF MACHINERY, EQUIPMENT, SUPPLIES, AND PAPER TO BE USED BY THE GRAPHIC ARTS INDUSTRY

1

Manufacturers of machinery, equipment, and supplies are listed alphabetically by products. See next page for complete explanation of how to use simplified classification system.

2

All printing papers are classified alphabetically by kinds of paper. Various makers of each kind are shown.

3

Popular brand names of paper are listed alphabetically, with makers of each brand shown.

4

A list of advertisers and other important firms shows the addresses of the branch offices, to the nearest of which readers will wish to direct their inquiries and orders.

5

A representative group of leading printing machinery dealers is listed alphabetically.

6

Booklets and other educational material offered by advertisers free to the trade are classified and described. Mailing card is included. This is another I-P service for you.



THE INLAND PRINTER'S



of EQUIPMENT and SUPPLIES

While compilers of this directory have taken every precaution to insure accuracy, guarantee cannot be made against the possibility of a change, error, or omission in the various listings. Every effort has been made to secure authentic information direct from supply firms, equipment manufacturers, and the paper mills.



ADDRESSING and MAILING MACHINES

- 1 Addressing
 - 2 Mailing
 - 3 Metered Mail Machines
 - 4 Stamp Affixers and Envelope Sealing Mach.
 - 5 Strip Printing
 - 6 Wrapper Printing and Wrapping
- 1 2 3 4 5 6
- ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland 17, Ohio
- ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.
- BARKLEY & Dexter, 528 Commonwealth Ave., Boston 15, Mass.
- ★CHESHIRE Mailing Machines, 1415 Altgeld St., Chicago 14, Ill.
- DICK Mailer, The, 137 W. Tupper St., Buffalo 1, N.Y.
- ELLIOT Addressing Machine Co., 143 Albany St., Cambridge 39, Mass.
- NATIONAL Cash Register Co., Dayton 9, Ohio
- PAYVER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
- PITNEY Bowes, Inc., 757 Pacific St., Stamford, Conn.
- POLLARD-Ailing Mfg. Co., 220 W. 19th St., New York, N.Y.
- STANDARD Mailing Machine Co., 1935 Revere Beach Pkwy., Everett 39, Mass.
- WING'S, Chauncey, Sons, 78 Pierce St., Greenfield, Mass.

ADHESIVES

- 1 Bookbinders' Glue
 - 2 Cut Mounting Cement
 - 3 Envelope Gums
 - 4 Liquid Solders
 - 5 Mailing Room Paste
 - 6 Makersady Paste
 - 7 Mounting, Cardboard
 - 8 Padding Cement
 - 9 Rubber Cement
 - 10 Splicing Paste
 - 11 Tape Cement
 - 12 Plastic Adhesives
- 1 2 3 4 5 6 7 8 9 10 11
- ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N.Y.
- ★AMERICAN Roller Co., 1342 N. Halsted St., Chicago 22, Ill.
- ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N.Y.
- ARABOL Mfg. Co., 110 E. 42d St., New York 17, N.Y.
- ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3, Ohio
- ★INGHAM Brothers, Inc., 406 Pearl St., New York 1, N.Y.
- BOND Adhesives Co., 255 Wallabout St., Brooklyn 6, N.Y.
- BOOTH, E. A., Rubber Co., Rockefeller Bldg., Cleveland 13, Ohio
- BROWN, Lindsay, Paint Co., 2601-75 W. Grand Ave., Chicago 12, Ill.
- BUCKEY Paste Co., 270 So. Wall St., Columbus 15, Ohio
- BURRAGE Glue Co., 15 Vandewater St., New York 7, N.Y.
- CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
- CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
- CLARK Stek-O Corp., 1631 Dewey Ave., Rochester 13, N.Y.
- COMMERCIAL Paste Co., Columbus 8, Ohio
- CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
- DE VERE Co., 2000 Clark St., Racine, Wis.
- ECONO Products Inc., 132 Humboldt St., Rochester 10, N.Y.
- FINDLEY, F. G., Co., 3033 W. Pemberton Ave., Milwaukee 5, Wis.

How to Use This Directory

Items in this directory have, we believe, been listed in as comprehensive a manner as possible. Items have been cross-referenced. Certain related items have been grouped and sub-indexed by key numbers to facilitate finding, as, for example, "Adhesives." Under each firm name are key numbers showing the particular types of adhesives manufactured. These key numbers are spaced so they are aligned directly beneath the line of numbers immediately below the sub-classifications. Find the key number of the adhesive desired in the top line, trace vertically down the column with a straight-edge, and all the firms having that key number listed will easily be found.

- 1 2 3 4 5 6 7 8 9 10 11
- 12
- FLINT, Howard, Ink Co., 2546 Clark Ave., Detroit 9, Mich.
- FULLER, H. B., Co., 255 Eagle St., St. Paul 2, Minn.
- GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago 7, Ill.
- GODFREY Roller Co., 215 N. Camac St., Philadelphia 7, Pa.
- GREEN'S Paste Works, Box 7, Syracuse, N.Y.
- HART, Wm. C., Co., Inc., 137 Green St., New York 12, N.Y.
- HOYT, Arthur S., Co., Inc., 175 Fifth Ave., New York 10, N.Y.
- IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
- LAYTON Elastic Glue Co., 1244 N. Central Park Ave., Chicago 51, Ill.
- LEE Hardware Co., 250 N. Santa Fe Ave., Salina, Kan.
- LE PAGE'S, Inc., Essex Ave., Gloucester, Mass.
- LOX Mfg. Co., 3310 E. 31st St., Kansas City 3, Mo.
- LUTHER, J. P., Co., 173-81 So. Pearl St., Berlin, Wis.
- MANHATTAN Paste & Glue Co., 425 Greenpoint Ave., Brooklyn 22, N.Y.
- MATTHEWS, Jas. H., & Co., 3950 Forbes St., Pittsburgh 13, Pa.
- MAY Chemical Works, 902 Larabee St., Chicago 10, Ill.
- MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10, Ill.
- MERRITT Products Co., 1547 E. 18th St., Cleveland 14, Ohio
- METZGER, Alfred E., 30 Irving Pl., New York 3, N.Y.
- MILWAUKEE Printers Roller Co., 422 S. Fourth St., Milwaukee 4, Wis.
- MONSANTO Chemical Co., Merrimac Div., Everett 49, Mass.
- NATIONAL Adhesives, Div. of National Starch Products, 270 Madison Ave., New York 16, N.Y.
- NATIONAL Roller Co., 307 Pearl St., New York 7, N.Y.
- OSGOOD-Globe Corp., 33 Purchase St., Boston 10, Mass.
- PAISLEY Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
- PECK, James I., 47 High St., West Orange, N.J.
- RAYCO Type Founders, 604 W. Lake St., Chicago, Ill.
- ROGERS Isinglass & Glue Co., 210 Eastern Ave., Gloucester, Mass.
- ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1, N.Y.
- SERVWELL Products Co., 6520 Euclid Ave., Cleveland 3, Ohio
- SHOEMAKER, J. L., & Co., 15 S. Sixth St., Philadelphia 6, Pa.
- ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N.Y.
- SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

- 1 2 3 4 5 6 7 8 9 10 11
- 12
- S S RUBBER Cement Co., 310 N. Michigan Ave., Chicago 1, Ill.
- STAFFORD, S. S., Inc., 609 Washington St., New York 14, N.Y.
- STOKES, A., Co., Hudson, Ohio
- TAYLOR Glue Co., Concord, N.H.
- TRI-Tix, Inc., 3727 N. Palmer St., Milwaukee 12, Wis.
- TWIN CITY Printers Roller Co., 503 S. 3rd St., Minneapolis 15, Minn.
- UNION Rubber & Asbestos Co., P. O. Box 1040, Trenton 6, N.J.
- UNITED States Rubber Co., 1230 Avenue of the Americas, New York 20, N.Y.
- WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia 7, Pa.
- WILLIAMSON Adhesives, Inc., 2327 W. 18th St., Chicago 8, Ill.
- WILSOLITE Corp., 501 Amherst St., Buffalo 7, N.Y.
- WINN & Goodman, 440 Sansome St., San Francisco 8, Cal.

ADHESIVE TAPE, CUT-MOUNTING

- CORKPAK Co., Inc., The, 45 South St. Mount Vernon, N.Y.
- INDUSTRIAL Tape Corp., New Brunswick, N.J.
- MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
- MYSTIK Tape Division, Chicago Show Ptg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
- SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.
- SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.
- S S RUBBER Cement Co., 310 N. Michigan Ave., Chicago 1, Ill.

ADHESIVE TAPE, MASKING (for friskets, etc.)

- ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N.Y.
- ★DENNISON Manufacturing Company, 300 Howard St., Framingham, Mass.
- MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
- MYSTIK Tape Division, Chicago Show Ptg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
- SERVWELL Products Co., 6520 Euclid Ave., Cleveland 3, Ohio
- ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N.Y.
- SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

ADHESIVE TAPE, PRESSURE-SENSITIVE

- ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N.Y.
- BAUER & Black, Div. of the Kendall Co., 2500 S. Dearborn St., Chicago 16, Ill.
- CORKPAK Co., Inc., The, 45 South St., Mt. Vernon, N.Y.
- ★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
- EVER READY Label Corp., 337 Cortlandt St., Belleville 9, N.J.
- GUMMED Tape & Devices Co., 1318 60th St., Brooklyn 19, N.Y.
- INDUSTRIAL Tape Corp., New Brunswick, N.J.
- KLEEN-Stik Products, Inc., 225 N. Michigan Ave., Chicago, Ill.
- MILPRINT, Inc., 5th & Florida Sts., Milwaukee, Wis.
- MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
- MYSTIK Tape Division, Chicago Show Ptg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
- PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.

AGITATORS, INK

- GEGENHEIMER, William, 80 Roebling St., Brooklyn MARGACH Mfg. Co., 82 Beekman St., New York 7, N.Y.
- ORTLEB Machinery Co., 3818 Laclede Ave., St. Louis 8, Mo.
- ROSS, Charles & Son Co., 148-156 Classon Ave., Brooklyn, N.Y.

AIR BRUSHES

- DeVILBISS Company, 300 Phillips Ave., Toledo 1, Ohio
- KELLOGG Div., American Brake Shoe Co., 97 Humboldt St., Rochester 9, N.Y.
- OISEN-Mark Corp., 124 White St., New York 13, N.Y.
- ★PAASCHE Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.

AIR, COMPRESSED, CLEANING AND DRYING UNIT

- LOGAN Engineering Co., 4901 Lawrence Ave., Chicago 30, Ill.

WHEN WRITING SUPPLY FIRMS KINDLY MENTION

AIR COMPRESSORS AND PUMPS

ALLIS-Chalmers Mfg. Co., 1949 Noel St., Milwaukee, Wis.
BECKFIELD Rotary Vacuum Blower Co., 532 First Ave., Pittsburgh 19, Pa.
BINKS Mfg. Co., 3114 W. Carroll Ave., Chicago 12, Ill.
DEVILBISS Company, 300 Phillips Ave., Toledo 1, Ohio
FAIRBANKS Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
GAST Mfg. Corp., 123 Hinckley St., Benton Harbor, Mich.
HOLLINGSWORTH, Wm. Machine Co., 227 N. Holiday St., Baltimore 2, Md.
KELLOGG Div., American Brake Shoe Co., 97 Humboldt St., Rochester 9, N. Y.
★LANSTON Monotype Machine Co., 24th and Locust Sts., Philadelphia 3, Pa.
LEIMAN Brothers, 271 Christie St., Newark 8, N. J.
NEW JERSEY Machine Corp., 1800 Willow Ave., Hoboken, N. J.
★PAASCHE Airbrush Co., 1911 Diversey Parkway, Chicago 14, Ill.
SPRAYOMATIC Products Co., 1120 Harrison Ave., Cincinnati 14, Ohio
TRANE Co., 2d St. and Cameron Ave., La Crosse, Wis.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
WILBAR Sales & Engineering Co., 549 W. Washington St., Chicago 6, Ill.

AIR AND PAPER CONDITIONERS

1 Air Conditioning Equipment
2 De-Humidifiers
3 Humidifiers
4 Paper Conditioners
ABBEON Supply Co., Woodside, New York City, N. Y.
ADVANCE Mfg. Co., 350 N. 26th St., Louisville 12, Ky.
AIRTEMP Division, Chrysler Corp., 1600 Webster St., Dayton, Ohio
ANETSBERGER Bros., Anets Dr., Northbrook, Illinois
AQUA-SORB Company, 21 S. 16th St., East Orange, N. J.
ARMSTRONG Machine Works, 901 Maple St., Three Rivers, Mich.
BAHNSON Company, 1001 S. Marshall St., Winston-Salem 2, N. C.
BUFFALO Forge Co., 490 Broadway, Buffalo, N. Y.
CARRIER Corporation, South Geddes St., Syracuse 1, N. Y.
FLINT, G. C., Eng. Service, 842 Gunderson Ave., Oak Park, Ill.
GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
MERIX Chemical Co., 1021 E. 55th St., Chicago 15, Ill.
MURRAY, D. J., Mfg. Co., 1002-1024 Third St., Wausau, Wis.
OFFEN, B., and Co., 168 N. Michigan Ave., Chicago 1, Ill.
★PAASCHE Airbrush Co., 1905 W. Diversey Pkwy., Chicago, Ill.
PARKS-CRAMER Company, P. O. Box 444, Fitchburg, Mass.
POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.
R. I. HUMIDIFIER & Vent Co., 99 Chauncy St., Boston 11, Mass.
SKILBECK Mfg. Co., 1612 60th St., Kenosha, Wis.
SOUTHWORTH Machine Co., 30 Warren Ave., Portland 5, Me.
STANDARD Engineering Works, 289 Roosevelt Ave., Pawtucket, R. I.
TRANE Company, 2d and Cameron Ave., La Crosse, Wis.
★WALTON Laboratories Inc., 1186 Grove St., Irvington, N. J.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
WILSEA Works, 371 Saint Paul St., Rochester 5, N. Y.

AIR SEPARATORS

★PAASCHE Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.

ALBUMIN

BEN DAY Inc., 118 E. 28th St., New York 16, N. Y.
FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 8, Mo.
MOUNT Vernon Presses, Mt. Vernon, N. Y.
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pa.
ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.

ALBUMIN PLATE BAKING INFRA RED UNIT

FOSTORIA Pressed Steel Corp., Fostoria, Ohio

ALBUMIN SCALES, OFFSET-LITHO

McKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio
METZGER, Alfred E., 30 Irving Place, New York 3, N. Y.
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pa.
PITMAN, Harold M., Co., 51st Ave. & 33d St., Chicago 30, Ill.
SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

ALPHABETS, DISPLAY

RULEX Type Corp., 127 W. Harrison, Chicago, Ill.

ANTI-OFFSET EQUIPMENT and SUPPLIES

1 Spray Guns
2 Spray (Dry or Liquid)
3 Spray, Excess, Exhaust
★AMERICAN Type Founders Sales Corp., 2100 Elmora Ave., Elizabeth 8, N. J.
ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.
BINKS Mfg. Co., 3114 W. Carroll Ave., Chicago 12, Ill.
CRAIG Corporation, 143 W. 20th St., New York 11, N. Y.
DE VERE Company, 2000 Clark St., Racine, Wis.
FOUNDRY Chemical Co., 36-08 Review Ave., Long Island City 1, N. Y.
H-G PRODUCTS Company, 520 N. Michigan, Chicago, Ill.
★H & H Products, 1930 S. State St., Chicago 5, Ill.
HILL-Hentschel Company, 3928 Clayton Ave., St. Louis 10, Mo.
HOWARD Flint Ink Co., Clark Ave. & MCRR, Detroit 9, Mich.
LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.
MANHATTAN Paste & Glue Co., 425 Greenpoint Ave., Brooklyn 22, N. Y.
NATIONAL Adhesives, Div. of National Starch Products, 270 Madison Ave., New York 16, N. Y.
NO OFF SET Co., 3403 Fayette St., Louisville 9, Ky.
OXY-DRY Sprayer Corp., 320 S. Marshfield Ave., Chicago, Illinois
★PAASCHE Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
PAISLEY Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Illinois
SPRAYOMATIC Products Co., 1120 Harrison Ave., Cincinnati 14, Ohio.
SPRAY Sales, 2540 S. Damen Ave., Chicago 8, Ill.
TRIANGLE Ink & Color Co., Inc., 305 E. 45th St., New York 17, N. Y.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
WILBAR Sales & Engineering Co., 549 W. Washington St., Chicago 6, Ill.
ZAPON Div. Atlas Powder Co., Stamford, Conn.

ANILIN PRINTING CONTINUOUS DESIGN ROLLERS

(see Continuous Design Rollers)

ANODES, COPPER

AMERICAN Brass Co., Waterbury 88, Conn.
BELMONT Smelting & Ref. Co., 330 Belmont Ave., Brooklyn 7, N. Y.
FEDERATED Metals Div., American Smelting & Refining Co., 2230 Indianapolis Blvd., Whiting, Ind.
HANSON-Van Winkle-Manning, Matawan, N. J.
METALLURGICAL Products Co., 35th & Moore Sts., Philadelphia, Pa.

ANTI-WORKUP DEVICES

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Blvd., Chicago 5, Ill.
L. & W. SERVICE Co., 140 Orange St., Providence 3, R. I.
SMITH, F. X., Co., 952 E. 93d St., Brooklyn 12, N. Y.

APRONS

★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
HANSON-Van Winkle-Manning Co., Matawan, N. J.
SCOTT, Asa D., Industries, 1028 E. 63rd St., Chicago, Ill.

ARC LAMPS

ATLAS Electric Devices Co., 361 W. Superior St., Chicago 10, Ill.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Mich.
GELB, Joseph Co., 12 E. 32d St., New York 16, N. Y.
GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
★MACBETH Arc Lamp Co., 141 Berkley St., Philadelphia 30, Pa.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio
NUART Co., Inc., 37 N. Wacker Dr., Chicago 6, Ill.
PEASE, The C. F. Co., 2601 W. Irving Park Rd., Chicago 18, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pa.
POLYGRAPHIC Co. of America, The, 310 E. 45th St., New York 17, N. Y.
STRONG Electric Corp., 57 City Park Ave., Toledo 2, Ohio
SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.

ARTISTS MATERIALS

1 Acetate Sheeting
2 Colors
3 Crayons
4 Drawing Boards
5 Drawing Instruments
6 Frisket Paper
1 2 3 4 5 6
ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3, Ohio
BAKELITE Corp., 300 Madison Ave., New York 17, N. Y.
BINNEY & Smith Co., 41 E. 42nd St., New York 17, N. Y.
2 3
CELANESE Plastics Corp., 180 Madison Ave., New York 16, N. Y.
1
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
1 2 3 4 6
★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
1 2
GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
2
HERCULES Powder Co., Inc., 931 Market St., Wilmington, Del.
1
METZGER, Alfred E., 30 Irving Place, New York 3, N. Y.
MONSANTO Chemical Co., Plastics Div., 600 Monsanto Ave., Springfield 2, Mass.
1
★PAASCHE Airbrush Co., 1905 Diversey Pkwy., Chicago 14, Ill.
1 2 4 5
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1, N. Y.
6
SENEFELDER Co., The, 32 Greene St., New York 13, N. Y.
3
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
1 2
SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.
1 2 3
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.
3 4 5

ASSEMBLING EQUIPMENT (see Collating and Gathering Equipment)

B

BACKERS, ROLLER

BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago 5, Ill.
CRAWLEY Book Machinery Co., 328 Keturah St., Newport, Ky.
GANE Brothers & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
MEYERS, L. W., Co., 1828 Milwaukee Ave., Chicago 47, Ill.
PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.
SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.
STANDARD Machinery Co., The, Mystic, Conn.

BACKING PANS AND STANDS, ELECTROTYPERS

★HOE, R., & Co., 910 E. 138th St., New York 54, N. Y.

BAG-MAKING MACHINES and SUPPLIES

ACME Winter Corp., 1559 Niagara St., Buffalo 13, AMES Bag Machine Co., E. 66th St. and Euclid Ave., Cleveland 15, Ohio
AMSCO Packaging Machinery Co., 3131 48th Ave., Long Island City 1, N. Y.
HUDSON Sharp Machine Co., 1201 Main St., Green Bay, Wis.
NAGEL-RYAN Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
★POTDEVIN Machine Co., 1226 38th St., Brooklyn SMITH & Winchester Mfg. Co., South Windham, Conn.
STAUDE, E. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.
STOKES & Smith Co., Frankford, Philadelphia 24, Pa.
WALDRON, John, Corp., New Brunswick, N. J.

BALERS, WASTE PAPER

AMERICAN Baler Co., 52 Ohio St., Bellevue, Ohio
BUSINESS Men's Paper Press Co., Wayland, Mich.
ECONOMY Baler Co., Ann Arbor, Mich.
LOGEMAN Bros. Co., 3150 W. Burleigh St., Milwaukee 10, Wis.
MINNICH Machine Works, Inc., Landisville, Pa.

BANDING AND BUNDLING PRESSES

ANDERSON, C. F., & Co., 3225 S. Calumet Ave., Chicago 16, Ill.
BERRY Machine Company, 716 N. First St., St. Louis
BUNN, B. H., Co., 7604 S. Yale Ave., Chicago 20, Ill.
GANE Brothers & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
PAPER Converting Machinery Co., 601 Harvey St., Green Bay, Wis.

BEARERS, ELECTROTYPE

★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

BEARINGS, BALL, ROLLER, SLEEVE TYPE

BEARINGS Industry Co., The, 311 W. 56th St., New York 19, N. Y.
BOUND Brook Oil-less Bearing Co., Lincoln Blvd., Bound Brook, N. J.
JOHNSON Bronze Co., 475 S. Mill St., Newcastle, Pa.
LINK-BELT Co., 301 W. Pershing, Chicago
MINIATURE Precision Bearings, Inc., Kingsbury St., Keene, N. H.
SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N. Y.
SKF INDUSTRIES, Inc., Front St. and Erie Ave., Philadelphia 34, Pa.
TIMKEN Roller Bearing Co., The, 1835 Dueber Ave., S. W. Canton 6, Ohio
TORRINGTON Co., The, Bantam Bearings Div., 3702 W. Sample St., South Bend 21, Ind.

BELLOWS, CAMERA

★DOUTHITT Corporation, 680 E. Fort St., Detroit
UNITED Camera Company, 1515 Belmont Ave., Chicago 13, Ill.
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

BELT AND TAPE LACING

CLIPPER Belt Lacer Co., Inc., 974 Front Ave., N. W., Grand Rapids 2, Mich.
RAINVILLE F., Co., 241 Pearl St., N. W., Grand Rapids, Mich.
TON-TEX Corporation, 245 Pearl St., N. W., Grand Rapids 2, Mich.

BELTS, BELTING AND TAPE

1 Belt Dressing
2 Cord Rubber (Slug Cast.)
3 Fabricated
4 Leather
5 Mechanical
6 Tape, Feeder, Folder and Delivery
7 Vee
1 2 3 4 5 6 7
ARBEKA Webbing Company, 1151 Roosevelt Ave., Pawtucket, R. I.
★BEALL, Jack, Vertical Service, 641 S. Dearborn St., Chicago 5, Ill.
BROWN, Arthur S., Mfg. Co., Tilton, N. H.
CLIPPER Belt Lacer Co., 974 Front Ave., N. W., Grand Rapids 2, Mich.
CORPAK Company, The, 45 South St., Mt. Vernon, N. Y.
DAVEY Company, 164 Laidlaw Ave., Jersey City 8, 1

1 2 3 4 5 6
DAYTON Rubber Mfg. Co., 2380 W. Riverview Ave., Dayton 1, Ohio

GILMER, L. H., Co., Div. United States Rubber Co., Tacony, Philadelphia 35, Pa.

GOODRICH, B. F., Co., 434 S. Main St., Akron 18, 1 2

HOPE Webbing Co., Pawtucket, R. I.

LINK-BELT Company, 301 W. Pershing, Chicago, Ill.

MANHATTAN Rubber Mfg. Div. of Raybestos-Manhattan, Inc., Passaic, N. J.

PECK, James I., 47 High St., West Orange, N. J.

RAINVILLE F., Co., 241 Pearl St., Grand Rapids 2, 1 2 3 4 5 6 7

RAYBESTOS-Manhattan, Inc., 61 Willett St., Passaic, N. J.

RHOADS, J. E., & Sons, 35 N. Sixth St., Philadelphia 6, Pa.

ROCKWOOD Mfg. Co., 1801 English Ave., Indianapolis 6, Ind.

RUSSEL Mfg. Co., Middletown, Conn.

TON-TEX Corp., 247 Pearl St., N. W., Grand Rapids 1 2 3 4 5 6 7

UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.

UNITED States Rubber Co., 1230 Sixth Avenue, New York 20, N. Y.

VICTOR Balata & Textile Belting Co., 25th St., Easton, Pa.

BENDERS AND CUTTERS, STEEL RULE (see Rule, Steel, Benders and Cutters)

BENDING MACHINE, PLASTIC PLATES

ACME Winter Corp., 1559 Niagara St., Buffalo 13, STEROTEX Machinery Co., Box 167, 322 Main St., Stamford, Conn.

BENDING MACHINES, PLATE

★COTTRELL, C. B., & Sons Co., 25 E. 26th St., New York 10, N. Y.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
★LAKE Erie Eng. Co., Riverview & Woodward Ave., Buffalo 17, N. Y.
OSTRANDER-Seymour Co., 4703 W. Arthington St., Chicago, Ill.
S. & W. Machine Co., 414 E. Pearl St., Cincinnati 2, WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

BEVELING MACHINES, PLATE

EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10, N. Y.
GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
LOYD, John, Co., 87 Walker St., New York 13, N. Y.
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
ROYLE, John, & Sons, 10 Essex St., Paterson 3, N. J.
WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

BILLING MACHINES AND SUPPLIES

INTERNATIONAL Business Machines Corp., 590 Madison Ave., New York 22, N. Y.
REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N. Y.
UNDERWOOD Corporation, 1 Park Ave., New York

BINDERS FOR NEWSPAPERS

ELBE File & Binder Co., 649 Alden St., Fall River, Mass.
★ROUSE, H. B., Co., 2214 N. Wayne Ave., Chicago

BINDING, MECHANICAL, MACHINERY

★DEXTER Folder Co., Pearl River, N. Y.
FLEX-O-COIL Products Co., 847 W. Washington Blvd., Los Angeles 15, Cal.
GENERAL Binding Corporation, 812 W. Belmont Ave., Chicago 14, Ill.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N. Y.
NYGREN-DAHLY Co., 1422 W. Altgeld St., Chicago, Ill.
PLASTIC Binding Corp., 732 Sherman St., Chicago 5
SLOVES Mechanical Binding Corp., 601 W. 26th St., New York, N. Y.
SPIRAL Binding Company, 406 W. 31st St., New York 1, N. Y.
SWING-O-RING Inc., 314 Dean St., Brooklyn, N. Y.

BLACKLEADING MACHINES, ELECTROTYPERS

★HOE, R., & Co., Inc., 910 E. 138th St., New York

BLADES

1 Bookbinders Shears and Blades
2 Doctor, Gravure
3 Film and Print Trimmers and Blades
4 Folder
5 Fountain
6 Perforator
1 2 3 4 5 6
ATKINS, E. C., & Co., 402 S. Illinois St., Indianapolis 9, Ind.
CHAPMAN Knives and Saws, Inc., 504 S. Broadway, St. Louis 2, Mo.
COES, Loring, Co., 72 Coes St., Worcester 3, Mass.
DAVIDSON Perforator Co., P. O. Box 1235, New Haven 5, Conn.
DETROIT Edge Tool Co., 3425 Wight St., Detroit 7, 1 2 3 4 5 6
DISSTON, Henry, & Sons, Inc., Tacony, Philadelphia 35, Pa.
DURBROW & Hearne, 12 Wooster St., New York 13, 1 2 3 4 5 6
HELMOLD, J. F., & Bro., Inc., 1462 Shakespeare Ave., Chicago 14, Ill.
HICKOK, W. O., Mfg. Co., Harrisburg, Pa.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
JACQUES, John, & Son, 93 Webster St., Worcester, 3, Mass.
LOYD, John, Co., 87 Walker St., New York 13, N. Y.
ROBERTSON, R. R., 3069 N. Elston Ave., Chicago 3
ROBINSON, John T., Co., 1476 River St., Boston 36, 1
SHAWVER Co., The, 21 W. Pleasant St., Springfield, Ohio
SIMMONDS, Worden, White Co., 607 Negley Pl., Dayton 7, Ohio
SIMONDS Saw & Steel Co., 470 Main St., Fitchburg, Mass.
SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago 7, Ill.
WAPAKONETA Machine Co., The, Wapakoneta, Ohio
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.

DETROIT Edge Tool Co., 3425 Wight St., Detroit 7, 1 2 3 4 5 6

DISSTON, Henry, & Sons, Inc., Tacony, Philadelphia 35, Pa.

DURBROW & Hearne, 12 Wooster St., New York 13, 1 2 3 4 5 6

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ROBINSON, John T., Co., 1476 River St., Boston 36, 1

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WAPAKONETA Machine Co., The, Wapakoneta, Ohio

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UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.

WAPAKONETA Machine Co., The, Wapakoneta, Ohio

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WAPAKONETA Machine Co., The, Wapakoneta, Ohio

UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.

^{1 2 3}
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio

^{2 3}
GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.

²
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

²
HOUSE, Chas. W., & Sons, Inc., 505 Fifth Ave., New York 17, N. Y.

²
IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.

^{1 2 3}
★INTERNATIONAL Printing Ink Corp., 67 W. 44th St., New York 18, N. Y.

³
LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

³
McKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio

³
NILES & Nelson, Inc., 75 West St., New York 6, N. Y.

²
RAPID Roller Co., 2558 S. Federal St., Chicago 16, Ill.

^{1 2 3}
ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.

³
★ROBERTSON, R. R., 3069 N. Elston Ave., Chicago.

^{1 2 3}
★SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. J.

^{2 3}
SENEFELDER Company, The, 32 Greene St., New York 13, N. Y.

³
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

³
SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

³
TINGUE, Brown & Co., 114 E. 23d St., New York 10, N. Y.

^{1 2}
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.

^{2 3}
VULCAN Rubber Products, Inc., 1st Ave. & 58th St., Brooklyn 20, N. Y.

^{2 3}
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

BLANKETS, ROLLER EMBOSSING MACHINE

EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10, N. Y.

HOUSE, Chas. W., & Sons, Inc., 505 Fifth Ave., New York 17, N. Y.

BLANKETS, ROLLER VARNISHING MACHINE

CORPKAK Company, 45 South St., Mt. Vernon, N. Y.

RAPID Roller Co., 2558 S. Federal St., Chicago 16, Ill.

BLANKETS, STEREOTYPE MOLDING

¹ Cork
² Fabric
³ Fibre
⁴ Rubber
⁵ Rubber Creeper

^{1 2 3 4 5}
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.

^{1 2 3 4 5}
BEST, Edward H., & Co., Box 1752, Boston 10, Mass.

^{1 2 3 4 5}
CORPKAK Co., Inc., 45 South St., Mt. Vernon, N. Y.

^{1 2 3 4 5}
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio

⁴
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

^{4 5}
HOUSE, Chas. W., & Sons, Inc., 505 5th Ave., New York 17, N. Y.

^{1 2 3 4 5}
NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.

^{1 2 3 4 5}
RUSSEL Products Co., 702 Harrison Bldg., Philadelphia 2, Pa.

^{1 2 3 4 5}
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

³
TINGUE, Brown & Co., 114-20 E. 23rd St., New York 10, N. Y.

^{1 2 3 4 5}
TON-TEX Corp., 247 Pearl St., N. W., Grand Rapids, Mich.

^{2 4 5}
UNITED States Rubber Co., Inc., 1230 Sixth Ave., New York 20, N. Y.

BLANKET WASH, OFFSET-LITHO

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, Braden Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio

BRAZNEILL Co., 2227 Walnut, St. Louis 3, Mo.

DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago.

DRISCOLL, Martin, & Co., 610 Federal St., Chicago

FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. Y.

GREAT Western Printing Ink Co., 409 W. Sixth St., Portland 9, Ore.

LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

PECK, James I. (Reg.), 47 High St., West Orange, N. J.

PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.

RAPID Roller Company, 2558 S. Federal St., Chicago

SENEFELDER Co., The, 32 Greene St., New York 13, N. Y.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

BLOWERS, CLEANING, PORTABLE

ACE Co., The, P. O. Box 1212, Ocala, Florida.

AMERICAN Blower Corp., 8111 Tireman St., Detroit

BREUER Electric Mfg. Co., 5100 N. Ravenswood Ave., Chicago 40, Ill.

CLEMENTS Mfg. Co., 6671 S. Narragansett Ave., Chicago 38, Ill.

IDEAL Industries, Inc., 5069 Park Ave., Sycamore, Ill.

★PAASCH Airbrush Co., 1911 Diversy Parkway, Chicago 14, Ill.

WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

BOARD, CARD, BEVELERS

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.

CRAWLEY Book Machinery Co., 328 Keturah St., Newport, Ky.

DURBROW & Hearne, 12 Wooster St., New York 13, N. Y.

EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10, N. Y.

PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

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GENERAL Binding Corp., 812 W. Belmont Ave., Chicago 14, Ill.

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio

HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.

HOLLINGSWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore, Md.

JONES, James H., Co., 130 N. Clinton St., Chicago 6

★LAWSON, E. P., Co., Inc., 426 W. 33d St., New York 1, N. Y.

★McADAMS, John, & Sons, 20 Knight St., Norwalk, Conn.

MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.

MULLER, Chas. A., Co., 153 Lafayette St., New York 13, N. Y.

NYGREN-Dahly Co., 1422 W. Altgeld St., Chicago

PEERLESS Roll Leaf Co., 4511 New York Ave., Union City, N. J.

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ROBINSON, John T., Co., 1476 River St., Boston 36, Mass.

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★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.



ADDRESSING and MAILING MACHINES

- 1 Addressing
 - 2 Mailing
 - 3 Metered Mail Machines
 - 4 Stamp Affixers and Envelope Sealing Mach.
 - 5 Strip Printing
 - 6 Wrapper Printing and Wrapping
- 1 2 3 4 5 6
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland 17, Ohio
- 1 2 3 4 5 6
ANDERSON, C. F. & Co., 3225 Calumet Ave., Chicago 16, Ill.
- 1 2 3 4 5 6
BARKLEY & Dexter, 528 Commonwealth Ave., Boston 15, Mass.
- 1 2 3 4 5 6
★CHESHIRE Mailing Machines, 1415 Altgeld St., Chicago 14, Ill.
- 1 2 3 4 5 6
DICK Mailer, The, 137 W. Tupper St., Buffalo 1, N. Y.
- 1 2 3 4 5 6
ELLIOT Addressing Machine Co., 143 Albany St., Cambridge 39, Mass.
- 1 2 3 4 5 6
NATIONAL Cash Register Co., Dayton 9, Ohio
- 1 2 3 4 5 6
PAVYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
- 1 2 3 4 5 6
PITNEY Bowes, Inc., 757 Pacific St., Stamford, Conn.
- 1 2 3 4 5 6
POLLARD-Alling Mfg. Co., 220 W. 19th St., New York, N. Y.
- 1 2 3 4 5 6
STANDARD Mailing Machine Co., 1935 Revere Beach Pkwy., Everett 39, Mass.
- 1 2 3 4 5 6
WING'S, Chauncey, Sons, 78 Pierce St., Greenfield, Mass.

ADHESIVES

- 1 Bookbinders' Glue
 - 2 Cut Mounting Cement
 - 3 Envelope Gums
 - 4 Liquid Solders
 - 5 Mailing Room Paste
 - 6 Makersready Paste
 - 7 Mounting, Cardboard
 - 8 Padding Cement
 - 9 Rubber Cement
 - 10 Splicing Paste
 - 11 Tape Cement
 - 12 Plastic Adhesives
- 1 2 3 4 5 6 7 8 9 10 11 12
ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N. Y.
- 1 2 3 4 5 6 7 8 9
★AMERICAN Roller Co., 1342 N. Halsted St., Chicago 22, Ill.
- 1 2 3 4 5 6 7 8 9 10 11
ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
ARABOL Mfg. Co., 110 E. 42d St., New York 17, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
★BINGHAM Brothers, Inc., 406 Pearl St., New York 12, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
BOND Adhesives Co., 255 Wallabout St., Brooklyn 6, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
BOOTH, E. A., Rubber Co., Rockefeller Bldg., Cleveland 13, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
BROWN, Lindsay, Paint Co., 2601-75 W. Grand Ave., Chicago 12, Ill.
- 1 2 3 4 5 6 7 8 9 10 11
BUCKEYE Paste Co., 270 So. Wall St., Columbus 15, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
BURRAGE Glue Co., 15 Vandewater St., New York 7, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
- 1 2 3 4 5 6 7 8 9 10 11
CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
CLARK Stek-O Corp., 1631 Dewey Ave., Rochester 13, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
COMMERCIAL Paste Co., Columbus 8, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
DE VERE Co., 2000 Clark St., Racine, Wis.
- 1 2 3 4 5 6 7 8 9 10 11
ECONO Products Inc., 132 Humboldt St., Rochester 10, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
FINDLEY, F. G., Co., 3033 W. Pemberton Ave., Milwaukee 3, Wis.

How to Use This Directory

Items in this directory have, we believe, been listed in as comprehensive a manner as possible. Items have been cross-referenced. Certain related items have been grouped and sub-indexed by key numbers to facilitate finding, as, for example, "Adhesives." Under each firm name are key numbers showing the particular types of adhesives manufactured. These key numbers are spaced so they are aligned directly beneath the line of numbers immediately below the sub-classifications. Find the key number of the adhesive desired in the top line, trace vertically down the column with a straight-edge, and all the firms having that key number listed will easily be found.

- 1 2 3 4 5 6 7 8 9 10 11 12
FLINT, Howard, Ink Co., 2546 Clark Ave., Detroit 9, Mich.
- 1 2 3 4 5 6 7 8 9 10 11 12
FULLER, H. B., Co., 255 Eagle St., St. Paul 2, Minn.
- 1 2 3 4 5 6 7 8 9 10 11 12
GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago 7, Ill.
- 1 2 3 4 5 6 7 8 9 10 11 12
GODFREY Roller Co., 215 N. Camac St., Philadelphia 7, Pa.
- 1 2 3 4 5 6 7 8 9 10 11 12
GREEN'S Paste Works, Box 7, Syracuse, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
HART, Wm. C., Co., Inc., 137 Green St., New York 12, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
HOYT, Arthur S., Co., Inc., 175 Fifth Ave., New York 10, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
- 1 2 3 4 5 6 7 8 9 10 11 12
LAYTON Elastic Glue Co., 1244 N. Central Park Ave., Chicago 51, Ill.
- 1 2 3 4 5 6 7 8 9 10 11 12
LEE Hardware Co., 250 N. Santa Fe Ave., Salina, Kan.
- 1 2 3 4 5 6 7 8 9 10 11 12
LE PAGE'S, Inc., Essex Ave., Gloucester, Mass.
- 1 2 3 4 5 6 7 8 9 10 11 12
LOX Mfg. Co., 3310 E. 31st St., Kansas City 3, Mo.
- 1 2 3 4 5 6 7 8 9 10 11 12
LUTHER, J. P., Co., 173-81 So. Pearl St., Berlin, Wis.
- 1 2 3 4 5 6 7 8 9 10 11 12
MANHATTAN Paste & Glue Co., 425 Greenpoint Ave., Brooklyn 22, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
MATTHEWS, Jas. H., & Co., 3950 Forbes St., Pittsburgh 13, Pa.
- 1 2 3 4 5 6 7 8 9 10 11 12
MAY Chemical Works, 902 Larrabee St., Chicago 10, Ill.
- 1 2 3 4 5 6 7 8 9 10 11 12
MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10, Ill.
- 1 2 3 4 5 6 7 8 9 10 11 12
MERRITT Products Co., 1547 E. 18th St., Cleveland 14, Ohio
- 1 2 3 4 5 6 7 8 9 10 11 12
METZGER, Alfred E., 30 Irving Pl., New York 3, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
MILWAUKEE Printers Roller Co., 422 S. Fourth St., Milwaukee 4, Wis.
- 1 2 3 4 5 6 7 8 9 10 11 12
MONSANTO Chemical Co., Merrimac Div., Everett 49, Mass.
- 1 2 3 4 5 6 7 8 9 10 11 12
NATIONAL Adhesives, Div. of National Starch Products, 270 Madison Ave., New York 16, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
NATIONAL Roller Co., 307 Pearl St., New York 7, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
OSGOOD-Globe Corp., 33 Purchase St., Boston 10, Mass.
- 1 2 3 4 5 6 7 8 9 10 11 12
PAISLEY Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
- 1 2 3 4 5 6 7 8 9 10 11 12
PECK, James I., 47 High St., West Orange, N. J.
- 1 2 3 4 5 6 7 8 9 10 11 12
RAYCO Type Founders, 604 W. Lake St., Chicago, Ill.
- 1 2 3 4 5 6 7 8 9 10 11 12
ROGERS Isinglass & Glue Co., 210 Eastern Ave., Gloucester, Mass.
- 1 2 3 4 5 6 7 8 9 10 11 12
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
SERVWELL Products Co., 6520 Euclid Ave., Cleveland 3, Ohio
- 1 2 3 4 5 6 7 8 9 10 11 12
SHOEMAKER, J. L., & Co., 15 S. Sixth St., Philadelphia 6, Pa.
- 1 2 3 4 5 6 7 8 9 10 11 12
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

- 1 2 3 4 5 6 7 8 9 10 11 12
S S RUBBER Cement Co., 310 N. Michigan Ave., Chicago 1, Ill.
- 1 2 3 4 5 6 7 8 9 10 11 12
STAFFORD, S. S., Inc., 609 Washington St., New York 14, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
STOKES, A., Co., Hudson, Ohio
- 1 2 3 4 5 6 7 8 9 10 11 12
TAYLOR Glue Co., Concord, N. H.
- 1 2 3 4 5 6 7 8 9 10 11 12
TRI-Tix, Inc., 3727 N. Palmer St., Milwaukee 12, Wis.
- 1 2 3 4 5 6 7 8 9 10 11 12
TWIN CITY Printers Roller Co., 305 S. 3rd St., Minneapolis 15, Minn.
- 1 2 3 4 5 6 7 8 9 10 11 12
UNION Rubber & Asbestos Co., P. O. Box 1040, Trenton 6, N. J.
- 1 2 3 4 5 6 7 8 9 10 11 12
UNITED States Rubber Co., 1230 Avenue of the Americas, New York 20, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia 7, Pa.
- 1 2 3 4 5 6 7 8 9 10 11 12
WILLIAMSON Adhesives, Inc., 2327 W. 18th St., Chicago 8, Ill.
- 1 2 3 4 5 6 7 8 9 10 11 12
WILSOLITE Corp., 501 Amherst St., Buffalo 7, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11 12
WINN & Goodman, 440 Sansome St., San Francisco 8, Cal.

ADHESIVE TAPE, CUT-MOUNTING

- CORKPAK Co., Inc., The, 45 South St. Mount Vernon, N. Y.
- INDUSTRIAL Tape Corp., New Brunswick, N. J.
- MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
- MYSTIK Tape Division, Chicago Show Prg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
- SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N. Y.
- SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.
- S S RUBBER Cement Co., 310 N. Michigan Ave., Chicago 1, Ill.

ADHESIVE TAPE, MASKING (for friskets, etc.)

- ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N. Y.
- ★DENNISON Manufacturing Company, 300 Howard St., Framingham, Mass.
- MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
- MYSTIK Tape Division, Chicago Show Prg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
- SERVWELL Products Co., 6520 Euclid Ave., Cleveland 3, Ohio
- ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
- SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

ADHESIVE TAPE, PRESSURE-SENSITIVE

- ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N. Y.
- BAUER & Black, Div. of the Kendall Co., 2300 S. Dearborn St., Chicago 16, Ill.
- CORKPAK Co., Inc., The, 45 South St., Mt. Vernon, N. Y.
- ★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
- EVER READY Label Corp., 337 Cortlandt St., Belleville 9, N. J.
- GUMMED Tape & Devices Co., 1318 60th St., Brooklyn 19, N. Y.
- INDUSTRIAL Tape Corp., New Brunswick, N. J.
- KLEEN-Stik Products, Inc., 225 N. Michigan Ave., Chicago, Ill.
- MILPRINT, Inc., 5th & Florida St., Milwaukee, Wis.
- MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
- MYSTIK Tape Division, Chicago Show Prg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
- PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.

AGITATORS, INK

- GEGENHEIMER, William, 80 Roebling St., Brooklyn
- MARGACH Mfg. Co., 82 Beekman St., New York 7, N. Y.
- ORTLEB Machinery Co., 3818 Laclede Ave., St. Louis 8, Mo.
- ROSS, Charles & Son Co., 148-156 Classon Ave., Brooklyn, N. Y.

AIR BRUSHES

- DeVILBISS Company, 300 Phillips Ave., Toledo 1, Ohio
- KELLOGG Div., American Brake Shoe Co., 97 Humboldt St., Rochester 9, N. Y.
- OISEN-Mark Corp., 124 White St., New York 13, N. Y.
- ★PAASCHE Airbrush Co., 1909 Diversy Parkway, Chicago 14, Ill.

AIR, COMPRESSED, CLEANING AND DRYING UNIT

- LOGAN Engineering Co., 4901 Lawrence Ave., Chicago 30, Ill.

WHEN WRITING SUPPLY FIRMS KINDLY MENTION

AIR COMPRESSORS AND PUMPS

ALLIS-Chalmers Mfg. Co., 1949 Noel St., Milwaukee, Wis.
BECKFIELD Rotary Vacuum Blower Co., 532 First Ave., Pittsburgh 19, Pa.
BINKS Mfg. Co., 3114 W. Carroll Ave., Chicago 12, Ill.
DEVILBESS Company, 300 Phillips Ave., Toledo 1, Ohio
FAIRBANKS Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
GAST Mfg. Corp., 123 Hinkley St., Benton Harbor, Mich.
HOLLINGSWORTH, Wm. Machine Co., 227 N. Holiday St., Baltimore 2, Md.
KELLOGG Div., American Brake Shoe Co., 97 Humboldt St., Rochester 9, N. Y.
LANSTON Monotype Machine Co., 24th and Locust St., Philadelphia 3, Pa.
LEIMAN Brothers, 271 Christie St., Newark 8, N. J.
NEW JERSEY Machine Corp., 1800 Willow Ave., Hoboken, N. J.
PAASCH Airbrush Co., 1911 Diversey Parkway, Chicago 14, Ill.
SPRAYOMATIC Products Co., 1120 Harrison Ave., Cincinnati 14, Ohio
TRANE Co., 2d St. and Cameron Ave., La Crosse, Wis.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
WILBAR Sales & Engineering Co., 549 W. Washington St., Chicago 6, Ill.

AIR AND PAPER CONDITIONERS

1 Air Conditioning Equipment
2 De-Humidifiers
3 Humidifiers
4 Paper Conditioners
ABBEON Supply Co., Woodside, New York City
ADVANCE Mfg. Co., 350 N. 26th St., Louisville 12, Ky.
AIRTEMP Division, Chrysler Corp., 1600 Webster St., Dayton, Ohio
ANETSBERGER Bros., Anets Dr., Northbrook, Illinois
AQUA-SORB Company, 21 S. 16th St., East Orange, N. J.
ARMSTRONG Machine Works, 901 Maple St., Three Rivers, Mich.
BAHNSON Company, 1001 S. Marshall St., Winston-Salem 2, N. C.
BUFFALO Forge Co., 490 Broadway, Buffalo, N. Y.
CARRIER Corporation, South Geddes St., Syracuse 1, N. Y.
FLINT, G. C., Eng. Service, 842 Gunderson Ave., Oak Park, Ill.
GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
MERIX Chemical Co., 1021 E. 55th St., Chicago 15, Ill.
MURRAY, D. J., Mfg. Co., 1002-1024 Third St., Wausau, Wis.
OFFEN, B., and Co., 168 N. Michigan Ave., Chicago 3, Ill.
PAASCH Airbrush Co., 1905 W. Diversey Pkwy., Chicago, Ill.
PARKS-CRAMER Company, P. O. Box 444, Fitchburg, Mass.
POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.
R. I. HUMIDIFIER & Vent Co., 99 Chauncy St., Boston 11, Mass.
SKILBECK Mfg. Co., 1612 60th St., Kenosha, Wis.
SOUTHWORTH Machine Co., 30 Warren Ave., Portland 5, Me.
STANDARD Engineering Works, 289 Roosevelt Ave., Pawtucket, R. I.
TRANE Company, 2d and Cameron Ave., La Crosse, Wis.
WALTON Laboratories Inc., 1186 Grove St., Irvington, N. J.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
WILSEA Works, 371 Saint Paul St., Rochester 5, N. Y.

AIR SEPARATORS

PAASCH Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.

ALBUMIN

BEN DAY Inc., 118 E. 28th St., New York 16, N. Y.
FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 10, Mo.
MOUNT Vernon Presses, Mt. Vernon, N. Y.
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pa.
ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.

ALBUMIN PLATE BAKING INFRA RED UNIT

FOSTORIA Pressed Steel Corp., Fostoria, Ohio

ALBUMIN SCALES, OFFSET-LITHO

McKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio
METZGER, Alfred E., 30 Irving Place, New York 3, N. Y.
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pa.
PITMAN, Harold M., Co., 51st Ave. & 33d St., Chicago 30, Ill.
SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

ALPHABETS, DISPLAY

RULEX Type Corp., 127 W. Harrison, Chicago, Ill.

ANTI-OFFSET EQUIPMENT and SUPPLIES

1 Spray Guns
2 Spray (Dry or Liquid)
3 Spray, Excess, Exhaust
★AMERICAN Type Founders Sales Corp., 2100 Elmora Ave., Elizabeth 6, N. J.
ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.
BINKS Mfg. Co., 3114 W. Carroll Ave., Chicago 12, Ill.
CRAIG Corporation, 143 W. 20th St., New York 11, N. Y.
DE VERE Company, 2000 Clark St., Racine, Wis.
FOUNDRY Chemical Co., 36-08 Review Ave., Long Island City 1, N. Y.
H-G PRODUCTS Company, 520 N. Michigan, Chicago, Ill.
★H & H Products, 1930 S. State St., Chicago 5, Ill.
HILL-Hentschel Company, 3928 Clayton Ave., St. Louis 10, Mo.
HOWARD Flint Ink Co., Clark Ave. & MCRR, Detroit 9, Mich.
LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.
MANHATTAN Paste & Glue Co., 425 Greenpoint Ave., Brooklyn 22, N. Y.
NATIONAL Adhesives, Div. of National Starch Products, 270 Madison Ave., New York 16, N. Y.
NO OFF SET CO., 3403 Fayette St., Louisville 9, Ky.
OXY-DRY Sprayer Corp., 320 S. Marshfield Ave., Chicago, Illinois
★PAASCH Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
PAISLEY Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.
SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Illinois
SPRAYOMATIC Products Co., 1120 Harrison Ave., Cincinnati 14, Ohio.
SPRAY Sales, 2540 S. Damen Ave., Chicago 8, Ill.
TRIANGLE Ink & Color Co., Inc., 305 E. 45th St., New York 17, N. Y.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
WILBAR Sales & Engineering Co., 549 W. Washington St., Chicago 6, Ill.
ZAPON Div. Atlas Powder Co., Stamford, Conn.

ANILIN PRINTING CONTINUOUS DESIGN ROLLERS

(see Continuous Design Rollers)

ANODES, COPPER

AMERICAN Brass Co., Waterbury 88, Conn.
BELMONT Smelting & Ref. Co., 330 Belmont Ave., Brooklyn 7, N. Y.
FEDERATED Metals Div., American Smelting & Refining Co., 2230 Indianapolis Blvd., Whiting, Ind.
HANSON-Van Winkle-Munning, Matawan, N. J.
METALLURGICAL Products Co., 35th & Moore Sts., Philadelphia, Pa.

ANTI-WORKUP DEVICES

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16, N. Y.
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Blvd., Chicago 5, Ill.
L. & W. SERVICE Co., 140 Orange St., Providence 3, R. I.
SMITH, F. X., Co., 952 E. 93d St., Brooklyn 12, N. Y.

APRONS

★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
HANSON-Van Winkle-Munning Co., Matawan, N. J.
SCOTT, Asa D., Industries, 1028 E. 63rd St., Chicago, Ill.

ARC LAMPS

ATLAS Electric Devices Co., 361 W. Superior St., Chicago 10, Ill.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Mich.
GELB, Joseph Co., 12 E. 32d St., New York 16, N. Y.
GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
★MACBETH Arc Lamp Co., 141 Berkley St., Philadelphia 30, Pa.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio
NUART Co., Inc., 37 N. Wacker Dr., Chicago 6, Ill.
PEASE, The C. F. Co., 2601 W. Irving Park Rd., Chicago 18, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pa.
POLYGRAPHIC Co. of America, The, 510 E. 45th St., New York 17, N. Y.
STRONG Electric Corp., 57 City Park Ave., Toledo 2, Ohio
SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.

ARTISTS MATERIALS

1 Acetate Sheeting
2 Colors
3 Crayons
4 Drawing Boards
5 Drawing Instruments
6 Frisket Paper
ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3, Ohio
BAKELITE Corp., 300 Madison Ave., New York 17, N. Y.
BINNEY & Smith Co., 41 E. 42nd St., New York 17, N. Y.
CELANESE Plastics Corp., 180 Madison Ave., New York 16, N. Y.
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
HERCULES Powder Co., Inc., 931 Market St., Wilmington, Del.
METZGER, Alfred E., 30 Irving Place, New York 3, N. Y.
MONSANTO Chemical Co., Plastics Div., 600 Monsanto Ave., Springfield 2, Mass.
★PAASCH Airbrush Co., 1905 Diversey Pkwy., Chicago 14, Ill.
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1, N. Y.
SENEFELDER Co., The, 32 Greene St., New York 13, N. Y.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

ASSEMBLING EQUIPMENT (see Collating and Gathering Equipment)

B

BACKERS, ROLLER

BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago 5, Ill.
CRAWLEY Book Machinery Co., 328 Keturah St., Newport, Ky.
GANE Brothers & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
MEYERS, L. W., Co., 1828 Milwaukee Ave., Chicago 47, Ill.
PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

BOOKBINDERY SERVICES

- 1 Binding, Mechanical
 - 2 Covers, All Kinds
 - 3 Edition
 - 4 Eyeletting
 - 5 Indexing
 - 6 Mounting; Finishing
 - 7 Perforating
 - 8 Punching, Drilling
- 1 2 3 4 5 6 7 8
AIGNER, G. J., Co., 426 S. Clinton St., Chicago
- 2 3 4 5 6 7 8
ARVEY Corporation, 3642 N. Kimball Ave., Chicago 18, Ill.
- 1 2 3 4 5 6 7 8
BROCK & Rankin, 619 S. LaSalle St., Chicago 5, Ill.
- 1 2 3 4 5 6 7 8
BURKHARDT Co., 547 W. Larned St., Detroit 26
- 1 2 3 4 5 6 7 8
★ENGDAHL Bindery, Inc., 1056 W. Van Buren St., Chicago 7, Ill.
- 1 2 3 4 5 6 7 8
FREEDMAN Die Cutters, Inc., 12 W. 20th St., New York 11, N. Y.
- 1 2 3 4 5 6 7 8
GENERAL Binding Corporation, 812 W. Belmont Ave., Chicago 14, Ill.
- 1 2 3 4 5 6 7 8
GOAT, Fred, Co., Inc., 314 Dean St., Brooklyn, N. Y.
- 1 2 3 4 5 6 7 8
GREGGORY, Inc., 2929 S. Wabash Ave., Chicago 16, Ill.
- 1 2 3 4 5 6 7 8
KLEEN-Stik Products, Inc., 225 N. Michigan Ave., Chicago, Ill.
- 1 2 3 4 5 6 7 8
SLOVES Mechanical Binding Co., 601 W. 26th St., New York 13, N. Y.
- 1 2 3 4 5 6 7 8
STANDARD Tag Co., 116 Duane St., New York 7, N. Y.
- 1 2 3 4 5 6 7 8
SWING-O-RING, Inc., 314 Dean St., Brooklyn 17, N. Y.
- 1 2 3 4 5 6 7 8
WILDER Index Co., 328 S. Jefferson St., Chicago 6

BORDERING, SHEET, AND STENCIL SHEET DECORATING EQUIPMENT

- KELLOGG, Div. American Brake Shoes Co., 99 Humboldt St., Rochester 9, N. Y.
- MARSH Stencil Machine Co., 707 E. B St., Belleville, Ill.

BORING, PLATE, MACHINES

(see Plate Shaving and Trimming Machines)

BOX AND CARTON MAKING MACHINERY, SET-UP AND FOLDING

- 1 Box Dosing Machines
 - 2 Box Collapsing Machines
 - 3 Box Making (Set-Up) Machines
 - 4 Carton Forming, Lining, Filling, Folding, Closing, and Sealing Machines
 - 5 Case Printing Machines
 - 6 Case Sealing, Glue, Machines
 - 7 Case Sealing, Gummed Tape Machines
- 1 2 3 4 5 6 7
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.
- 1 2 3 4 5 6 7
BECK, Charles, Corporation, 414 N. 13th St., Philadelphia 8, Pa.
- 1 2 3 4 5 6 7
BETTER Packages, Inc., Shelton, Conn.
- 1 2 3 4 5 6 7
BOSTICH, Westerly, R. I.
- 1 2 3 4 5 6 7
CHICAGO Box Machine Works, 1810 W. Grand Ave., Chicago 22, Ill.
- 1 2 3 4 5 6 7
FERGUSON Co., J. L., P. O. Box 1226, Joliet, Ill.
- 1 2 3 4 5 6 7
GLOBE Mfg. Co., 2009 Kinsey St., Philadelphia 24
- 1 2 3 4 5 6 7
GUMMED Tape & Devices Co., 1318 60th St., Brooklyn 19, N. Y.
- 1 2 3 4 5 6 7
HELLER Company, 2135 Superior Ave., Cleveland 14
- 1 2 3 4 5 6 7
HIGH Production Machine Co., 533 N. 11th St., Philadelphia 23, Pa.
- 1 2 3 4 5 6 7
HOBBS Mfg. Co., 26 Salisbury St., Worcester, Mass.
- 1 2 3 4 5 6 7
HOOPER, F. X., Co., Inc., Glen Arm, Md.
- 1 2 3 4 5 6 7
INMAN Manufacturing Co., Amsterdam, N. Y.
- 1 2 3 4 5 6 7
INTERNATIONAL Paper Box Machine Co., The, Nashua, N. Y.
- 1 2 3 4 5 6 7
INTERSTATE Folding Box Co., Middletown, Ohio
- 1 2 3 4 5 6 7
KIEFER, Karl, Machine Co., The, 919 Martin St., Cincinnati 2, Ohio
- 1 2 3 4 5 6 7
KNOWLTON, M. D., Co., 37 Clarissa St., Rochester 4, N. Y.
- 1 2 3 4 5 6 7
LANGSTON, Samuel M., Co., Camden, N. J.
- 1 2 3 4 5 6 7
MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.

- 1 2 3 4 5 6 7
NASHUA Gummed & Coated Paper Co., Nashua, N. H.
- 1 2 3 4 5 6 7
NASHUA Package Sealing Co., Inc., Nashua, N. H.
- 1 2 3 4 5 6 7
NATIONAL Metal Edge Box Co., 334 N. 12th St., Philadelphia, Pa.
- 1 2 3 4 5 6 7
NEW JERSEY Machine Corp., 1800 Willow Ave., Hoboken, N. J.
- 1 2 3 4 5 6 7
PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.
- 1 2 3 4 5 6 7
PARRY, Samuel R., Machine Co., 224 Mill St., Rochester 4, N. Y.
- 1 2 3 4 5 6 7
★POTDEVIN Machine Co., 1221 38th St., Brooklyn
- 1 2 3 4 5 6 7
REDINGTON Company, F. B., 112 S. Sangamon St., Chicago 7, Ill.
- 1 2 3 4 5 6 7
ROBINSON, John T., Co., 1476 River St., Hyde Park, Mass.
- 1 2 3 4 5 6 7
ROSS, A. H., Company, Ludlow, Ky.
- 1 2 3 4 5 6 7
SEAL, Inc., Shelton, Conn.
- 1 2 3 4 5 6 7
SHERIDAN, T. W. & C. B., Co., 153 Lafayette St., New York 13, N. Y.
- 1 2 3 4 5 6 7
SPECIALTY Automatic Machine Co., 88 Gerriah Ave., Chelsea 50, Mass.
- 1 2 3 4 5 6 7
STANDARD Machinery Co., The, Mystic, Conn.
- 1 2 3 4 5 6 7
STANDARD Paper Box Machinery Co., 133 Bleeker St., New York 12, N. Y.
- 1 2 3 4 5 6 7
STAUDE, E. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.
- 1 2 3 4 5 6 7
STOKES & Smith Co., Frankford, Philadelphia 24, Pa.
- 1 2 3 4 5 6 7
WILSEA Works, 371 St. Paul Ave., Rochester 5, N. Y.
- 1 2 3 4 5 6 7
YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

BOXES, CARDBOARD, FOR STATIONERY AND PRINTED FORMS

- BARGER Box Co., W. Beardsley Ave., Elkhart, Ind.
- NATIONAL Metal Edge Box Co., 334 N. 12th St., Philadelphia, Pa.

BRAKES, PRESS

- ★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.
- ★HANDLER & Price Co., The, 6000 Carnegie Ave., Cleveland 3, Ohio
- ★CLINE Electric Mfg. Co., 3405 W. 47th, Chicago
- ★VARGACH Mfg. Co., 82 Beekman St., New York 7
- ★STEPHENS, Sam'l, & Wickersham Quoin Co., 174 High St., Boston 10, Mass.

BRASS & COPPER SPACES (see Thin Spaces)

BRAYERS

- ★RINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago, Ill.
- ★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
- ★MEIND, Louis, Company, 362 W. Chicago Ave., Chicago 10, Ill.
- ★NATIONAL Roller Company, 307 Pearl St., New York 7, N. Y.
- ★NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.
- ★NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis, Minn.
- ★PAYVER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
- ★TRIUMPH Equipment Engineers, 507 S. Fourth St., Minneapolis 15, Minn.
- ★VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.

BROACHING MACHINES AND RULES, TABULAR SYSTEMS

- BOTH, O. A., Corp., 114 Pearl St., Boston 10, Mass.
- OILGEAR Co., 1560 W. Pierce St., Milwaukee 4
- ★UNIVERSAL Mono-Tabular Corp., 418 N. St. Paul St., Dallas 1, Tex.

BRONZE POWDER (see Foil and Leaf)

BRONZING MACHINES

- ATLANTIC Powdered Metals, Inc., 38 Park Row, New York 7, N. Y.
- ★DEXTER Folder Company, Pearl River, N. Y.
- ★HENSCHEL, C. B., Mfg. Co., 229 W. Mineral St., Milwaukee 4, Wis.
- ★HOLLINGSWORTH, Wm., 227 N. Holliday St., Baltimore 2, Md.
- ★MEISEL Press Mfg. Co., Inc., 944 Dorchester Ave., Boston 25, Mass.
- ★PRINTRADE Machinery Corp., 441 Lexington Ave., New York 17, N. Y.
- ★ZARKIN Machine Co., 34-19 Tenth St., Long Island City, N. Y.

BRUSHES, BASE CLEANING

- HANSON-Van Winkle-Munning, Matawan, N. J.
- ★PRINTING Machinery Co., 435 Commercial Square, Cincinnati 2, Ohio
- UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.

BUNDLING DEVICES FOR NEWSPAPERS

- TIE Company, Unadilla, N. Y.

BURNING-IN STOVES (OVENS), PHOTOENGRAVERS'

- ★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
- ★DOUTHITT Corporation, The, 680 E. Fort St., Detroit 26, Mich.
- ★FOSTORIA Pressed Steel Corp., Fostoria, Ohio
- ★HASTINGS Sales Eng. Co., 795 Boylston St., Boston
- ★JONES Graphic Products Co., 118 N. Third St., Albuquerque, N. M.
- ★MASTER Etching Machine Co., Inc., 127 Greenwood Ave., Wyncote, Pa.
- ★PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
- ★ROBERTSON, R. R., 3069 N. Elston Ave., Chicago
- ★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

BURNERS, GAS, ELECTROTYPERS' AND STEREOTYPES' FURNACES

- GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
- ★HOE, R., & Co., 910 E. 138th St., New York 54, N. Y.
- ★JOHNSON Gas Appliance Co., Cedar Rapids, Iowa
- ★KEMP, C. M., Mfg. Co., 405 E. Oliver St., Baltimore

BURNISHERS, BOOKBINDERS' AND PHOTOENGRAVERS' (see Tools)



CABINETS, CASES, RACKS

- 1 Cabinets, Galley
 - 2 Cabinets, Matrix (Type)
 - 3 Cabinets, Operators
 - 4 Cabinets, Page Storage
 - 5 Cabinets, Pressroom, Ink
 - 6 Cabinets, Storage
 - 7 Cabinets, Strip Rule
 - 8 Cabinets, Tool
 - 9 Cases, Type
 - 10 Chairs, Seats, Stools
 - 11 Decks
 - 12 Racks, Chase
 - 13 Racks, Drying
 - 14 Racks, Magazine, Type
 - 15 Racks, Press Roller
- 1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
ACME Type Foundry, 633 Plymouth Court, Chicago 5
- 1 2 3 4 5 6 7 8 9 10 11
ALLIED Steel Equipment Co., Lapeer, Mich.
- 1 2 3 4 5 6 7 8 9 10 11
AMERICAN Steel Case Co., 3131 48th Ave., Long Island City 1, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.
- 1 2 3 4 5 6 7 8 9 10 11
ANGLE Steel Stool Co., 127 Oak St., Plainwell, Mich.
- 1 2 3 4 5 6 7 8 9 10 11
BERGER Mfg. Co., Div. Republic Steel Corp., Canton 3, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
★CHALLENGE Machinery Co., Grand Haven, Mich.
- 1 2 3 4 5 6 7 8 9 10 11
★QUIPTO, Div. Aurora Eqpt. Co., Aurora, Ill.
- 1 2 3 4 5 6 7 8 9 10 11
FOSTER Mfg. Co., 123 N. 13th St., Philadelphia
- 1 2 3 4 5 6 7 8 9 10 11
GLOBE-Wernicke Co., The, Ross and Carthage Ave., Norwood, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
★HAMILTON Mfg. Co., Two Rivers, Wis.
- 1 2 3 4 5 6 7 8 9 10 11
★HAMMOND Machinery Builders, 1616 Douglas Ave., Kalamazoo 54, Mich.
- 1 2 3 4 5 6 7 8 9 10 11
HOBART Cabinet Co., Troy, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
INTERNATIONAL Engineering Works, Inc., Waverly St., Framingham, Mass.
- 1 2 3 4 5 6 7 8 9 10 11
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
- 1 2 3 4 5 6 7 8 9 10 11
LUDWIG-Duell Co., 30 Beckman St., New York 7
- 1 2 3 4 5 6 7 8 9 10 11
LYON Metal Products, Inc., 1134 Madison, Aurora, Ill.
- 1 2 3 4 5 6 7 8 9 10 11
MAYVILLE Metal Products Co., Mayville, Wis.
- 1 2 3 4 5 6 7 8 9 10 11
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
★MORGANS & Wilcox Mfg. Co., Middletown, N. Y.
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
RUELEX Type Corp., 127 W. Harrison, Chicago, Ill.
STA-HI Corporation, 1235 W. Washington Blvd., Whittier, Calif.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, Mich.
THOMPSON Cabinet Company, Box 286, Ludington, Mich.
THOMPSON Type Founders, 1414 S. Harwood, Dallas 1, Texas

CALENDAR PADS

COLUMBIAN Art Works, 1036 W. Juneau Ave., Milwaukee 3, Wis.
FLEMING Calendar Co., 6510 Cottage Grove Ave., Chicago 37, Ill.
GLOBE Art Calendar Co., 3909 Martin St., Detroit 10
GOES Lithographing Co., 42 W. 61st St., Chicago, Ill.
HOOVER, Joseph, & Sons, Market & 49th St., Philadelphia, Pa.
KETERLINUS Litho. Mfg. Co., Fourth & Arch St., Philadelphia 1, Pa.
SULLIVAN Printing Works, 1065 Gilbert Ave., Cincinnati, Ohio
WIEBUSH Calendar Importing Co., 80 Franklin St., New York 13, N. Y.

CALENDAR PUNCHING AND STRINGING MACHINES

FULLER, E. C., Co., 28 Reade St., New York 7, N. Y.
GRAEBER Stringing & Wiring Machine Co., Div. New Era Mfg. Co., 375 11th Ave., Paterson 4, N. J.
★NEW Era Mfg. Co., Inc., 375 11th Ave., Paterson 4, N. J.

CALENDAR SLIDES MACHINES (see Tin Edging and Mounting Machines)

CAMERAS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
ANSCO, 42 Charles St., Binghamton, N. Y.
AURORA School of Photoengraving, Aurora, Mo.
BEATTIE Process Camera Corp., 210 Fulton St., Box 636, New York 8, N. Y.
BRIDGEPORT Engravers Supply Co., 30 Grand St., Bridgeport 2, Conn.
★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
CONSOLIDATED Photo Engravers Equip. Co., 2155 W. Wabasha, Chicago, Ill.
★DOUTHITT Corp., 680 E. Fort St., Detroit 26
GELB, Joseph, Co., 12 E. 32nd St., New York, N. Y.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.
★LANSTON Monotype Machine Co., Twenty-fourth at Locust, Philadelphia 3, Pa.
LEVY, Max, & Co., Wayne Ave. & Berkley St., Philadelphia 44, Pa.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
ROBERTSON, R. R., 3069 N. Elston Ave., Chicago
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. and 44th Ave., Long Island City 1
UNITED Camera Co., 1515 Belmont, Chicago 13
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.
ZARKIN Machine Co., 34-19 Tenth St., Long Island City, N. Y.

CAMERA FLASHING LAMPS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
★DOUTHITT Corp., 680 E. Fort St., Detroit 26
FOSTORIA Pressed Steel Corp., Fostoria, Ohio
PHILLIPS & Jacobs, 622 Race St., Philadelphia

CAMERAS, FOUR COLORS, ONE SHOT, ONE PLATE

HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.
★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 Sixth Ave., New York 13, N. Y.

CANS, SAFETY

1 Inflammable Liquids
2 Oily Waste or Wipers.
1 2
AMERICAN Wood Type, 35 W. 3rd St., New York 12
ANCHOR Chemical Co., 829 Bergen St., Brooklyn
1 2
ANGLE Steel Stool Company, 309 W. Oak St., Plainwell, Mich.
DIENER, Geo. W., Mfg. Co., 400 N. Monticello, Chicago, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York

1 2
JUSTRITE Mfg. Co., 2061 Southport Ave., Chicago
1 2
METZGER, Alfred E., 30 Irving Place, New York 3,
1 2
PROTECTORSEAL Co., Inc., 1920 S. Western Ave., Chicago 8, Ill.
1 2
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
SMITH, F. X., Co., 932 E. 93rd St., Brooklyn 12,

CAPS, PAPER CUPS, MACHINES

YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

CARBON INTERLEAVING EQUIPMENT

CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio.
★McADAMS, John & Sons, 20 Knight St., Norwalk, Conn.
★NEW Era Mfg. Co., 375 11th Ave., Paterson 4, N. J.

CARBON PAPER

AMERICAN Carbon Paper Mfg. Co., Ennis, Texas
AMERICAN Register Co., 565 W. Washington St., Chicago 6, Ill.
FRYE Mfg. Co., 2531 Dean Ave., Des Moines, Iowa
★PHILIP Hano Co., Inc., 85 Sargeant St., Holyoke, Mass.
MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.
MITTAG & Volger, Inc., 76 Park Ave., Park Ridge, N. J.
REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N. Y.
STAFFORD, S. S., Inc., 609 Washington St., New York 14, N. Y.
UNDERWOOD Corporation, 1 Park Ave., New York

CARBON-PROCESSING MACHINES

FRYE Mfg. Co., 2531 Dean Ave., Des Moines, Iowa
LAIDA Engineering Co., 3411 Vernon Blvd., Long Island City 1, N. Y.
★HAMILTON Tool Co., 900 Hanover St., Hamilton, Ohio
MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.
ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.

CARBON TISSUE

★CHEMCO Photoproducts, New St., Glen Cove, N. Y.
NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
NAZ-Dar Co., 469 Milwaukee Ave., Chicago 10
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
UNDERWOOD Corporation, 1 Park Ave., New York 16, N. Y.

CARBON TISSUE LAYDOWN TRANSFER MACHINES

MOTTER'S George F., Sons, 132 S. Pershing Ave., York, Pa.
STANDARD Process Corp., 2704 W. Roscoe Street, Chicago, Ill.

CARBONS, ARC LAMP

ATLAS Electric Devices, 361 W. Superior St., Chicago 1, Ill.
★DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Michigan
HUNT, Philip A., Co., Palisades Park, N. J.
★MACBETH Arc Lamp Co., 141 Berkley St., Philadelphia, Pa.
MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
NATIONAL Carbon Co., 30 E. 42nd St., New York 17, N. Y.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
SENEFELDER Co., The, 32 Greene St., New York 13, N. Y.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

CARD, INDEX, CUTTING MACHINES

TABER Instrument Co., No. Tonawanda, N. Y.
YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

CASE, BOOK, MACHINES

1 Case Back Forming
2 Case Bending
3 Case Feeding
4 Case Making
5 Case Back Smoothing
1 2 3 4 5
CRAWLEY Book Machinery Co., Newport, Ky.
1 2 3 4 5
MEYERS, L. W., Co., 1828 Milwaukee Ave., Chicago 47, Ill.
1

1 2 3 4 5
PLEGER, John J., Co., 613 W. 16th St., Chicago 16,
1 2 3
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.
1 2 3 4
SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.
1 2 3 4
STOLP-Gore, Inc., 710 W. Jackson Blvd., Chicago, Ill.

CASING-IN MACHINES, BOOK

SMYTH Mfg. Co., 9 Sigourney St., Hartford 6, Conn.

CASTERS, LEAD AND RULE (See Composing Machines and Supplies)

CASTERS, STEREOTYPE METAL INGOTS

★HOE, R., & Co., 910 E. 138th St., New York 54,
MARKET Forge Co., 109 Garvey St., Everett 49, Mass.
NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.

CASTERS (Wheels) (see Trucks)

CASTING BOXES, STEREOTYPERS'

1 Curved Plate
2 Flat Plate
3 Vacuum
1 2 3
★GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
1 2
★HAMMOND Machinery Builders, Inc., 1604 Douglas Ave., Kalamazoo 54, Mich.
2
★HESS & Barker, 212 S. Darien St., Philadelphia 7
1 2
★HAMILTON Tool Co., 900 Hanover St., Hamilton, Ohio
1 2 3
★HOE, R., & Co., Inc., 910 E. 138th St., New York
1 2 3
MISSOURI-Central Type Foundry, 703 E. Murdock Ave., Wichita, Kansas
2
NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.
2
NORTHWEST Type Foundry, 507 S. 4th St., Minneapolis 2, Minn.
★SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. J.
1 2
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.
2
STA-HI Corp., 1235 W. Washington Blvd., Whittier, Calif.
2 3
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.
1 2
WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

CASTING MACHINES, STEREOTYPE

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HAMMOND Machinery Builders, Inc., 1604 Douglas Ave., Kalamazoo 54, Mich.
NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.
STA-HI Corp., 1235 W. Washington Blvd., Whittier, Calif.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

CATALOGUE COVERING MACHINES

PLEGER, John J., Co., 613 W. 16th St., Chicago 16
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.

CELLULOSE TABBING MACHINES

NYGREN-Dahly Co., 1422 W. Altgeld St., Chicago
TABER Instrument Co., No. Tonawanda, N. Y.

CELLULOSE SHEET PROTECTORS

AIGNER, G. J., Co., 426 S. Clinton St., Chicago 7
ELBE File & Binder Co., 649 Alden St., Fall River, Mass.
MELIND, Louis, Co., 362 W. Chicago Ave., Chicago
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1

CELLULOSE V SHEET HOLDERS

AIGNER, G. J., Co., 426 S. Clinton St., Chicago 7
TABER Instrument Co., No. Tonawanda, N. Y.

CHALK PLATE STEREOTYPE PROCESS

HOKE Engraving Plate Co., 1024 Park Ave., St. Louis 4

CHASES

★AMERICAN Steel-Chase Co., 31 48th Ave., Long Island City 1, N. Y.

BLATCHFORD, E. W., Co., 111 Broadway, New York 7, N. Y.
 FOSTER Mfg. Co., 123 N. 13th St., Philadelphia 7, Pa.
 GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
 *HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 LANCE, Chester L., Co., 620 Browder St., Dallas 1, Texas
 MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.
 NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.
 OVERSEWING Machine Co., 368 Congress St., Boston, Mass.
 PRINTING Equipment Corp., N. Republic Ave., Joliet, Illinois
 *PRINTING Machinery Co., The, 436 Commercial Sq., Cincinnati 2, Ohio
 SANDBLOM Steel Chase Co., 426 S. Clinton St., Chicago 7, Ill.
 SPEEDY Machinery Co., 1477 S.W. 3rd St., Miami 35

CHEMICALS

1 Electrotyping
 2 Gravure
 3 Offset-Litho
 4 Photo-engraving
 1 2 3 4
 BRADEN-Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
 *CENTRAL Compounding Co., 1718 N. Damen Ave., Chicago 47, Ill.
 *CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 2
 CRONITE Co., 35 Park Pl., New York 7, N. Y.
 2
 DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
 3
 DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N. Y.
 2 3 4
 DIVISION Lead Co., 836 W. Kinzie St., Chicago 22
 1 2 3 4
 DOM, G. C., Supply Co., 125 E. Pearl St., Cincinnati 26, Michigan
 *DOUTHITT Corporation, 680 E. Fort St., Detroit 1
 3 4
 DU PONT, E. I. de Nemours & Co., Inc., Wilmington, Del.
 *EASTMAN Kodak Co., 343 State St., Rochester 4 N. Y.
 3 4
 FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.
 2 3 4
 FUCHS & Lang Mfg., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 *GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.
 3
 HALOID Co., 6 Haloid St., Rochester 3, N. Y.
 *HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 3
 HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
 2 3 4
 HUNT, Philip A., Co., Palisades Park, N. J.
 *INTERNATIONAL Printing Ink, 67 W. 44th St., New York 1, N. Y.
 3
 JONES Graphic Products Co., 118 N. Third St., Albuquerque, New Mexico
 3
 LaMOTTE Chemical Products Co., Towson 4, Baltimore, Md.
 3
 LITHO Chemical & Supply Co., 63 Park Row, New York 7, N. Y.
 3
 LITHOMAT Corp., 58 Charles St., Cambridge, Mass.
 3
 MALLINCKRODT Chemical Works, 2nd & Mallinckrodt Sts., St. Louis 7, Mo.
 2 3 4
 MCKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio
 3
 MERCK & Co., Inc., Rahway, N. J.
 2 3 4
 MERIX Chemical Co., 1021 E. 53th St., Chicago 2
 2 3 4
 METZGER, Alfred E., 30 Irving Place, New York 3
 2 3
 MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
 1
 MOORE Laboratories, 70 W. Montcalm, Detroit 1
 3 4
 PHILLIPS & Jacobs, 622 Race St., Philadelphia 1
 1 2 3 4
 PITMAN, Harold M., Co., 51st Ave., & 33rd St., Chicago 50, Ill.
 2 3 4
 ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.
 3
 ROGERS Ininglass & Glue Co., 219 Eastern Ave., Gloucester, Mass.
 2 3 4

1 2 3 4
 SENEFELDER Co., Inc., 32 Greene St., New York 13
 3
 *SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
 5 4
 SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.
 3
 *UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y.
 4

CHUCKS (Non-returnable cores)
PAPER ROLL

GOSS Printing Press Co., 1535 S. Paulina St., Chicago
 STA-HI Corp., 6235 W. Washington Blvd., Whittier, Calif.

CLEANER, HAND

ANCHOR Core Economy Soap Co., Box 390, Wheaton, Ill.
 BRECK, John H., Inc., 115 Dwight St., Springfield 3, Mass.
 *CROMWELL Paper Co., 4801 Whipple St., Chicago
 DIVERSEY Corp., Industrial Maintenance Dept., 53 W. Jackson Blvd., Chicago, Ill.
 *DOLGE, C. B., Co., Westport, Conn.
 DUDLEY, Kenneth E., Box 806, Hagerstown, Maryland
 LINDEN Chemical Co., 523 15th St., Des Moines, Ia.
 LITHOMAT Corp., 58 Charles St., Cambridge 41, Mass.
 MURPHY, Joseph E., Co., 24 Ellsworth St., Worcester
 MITTAC & Volger, Inc., Park Ridge, N. J.
 SCHULTZ Laboratories, Boone, Iowa
 SENEFELDER Co., The, 32 Greene St., New York 13, N. Y.

CLEANER, NUMBERING MACHINE

ANCHOR Chemical Co., 829 Bergen St., Brooklyn
 *FORCE, William A., & Co., 216 Nichols Ave., Brooklyn 8, N. Y.
 LINDEN Chemical Products Co., 523 15th St., Des Moines 14, Iowa
 *ROBERTS Numbering Machine Co., 700 Jamaica Ave., Brooklyn 8, N. Y.

CLEANER, PRINTING PRESS

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
 CHALMERS Chemical Co., 123 Chestnut St., Newark 1, N. J.
 FEDERAL Mining & Mfg. Co., 22 Kearney Ave., Jersey City 4, N. J.
 HILL-Hentschel Company, 3928 Clayton Ave., St. Louis 10, Mo.
 LINDEN Chemical Co., 523 15th St., Des Moines, Ia.
 MERIX Chemical Company, 1021 E. 53th St., Chicago 11, Ill.
 NATIONAL Saw Sharpening Co., 316 E. Ohio St., Indianapolis 4, Indiana
 PHILLIPS & Jacobs, 622 Race St., Philadelphia
 SENEFELDER Co., The, 32 Greene St., New York 13, N. Y.
 *SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
 SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

CLEANING OUTFIT FOR PATENT BASE

ANCHOR Chemical Co., Inc., 829 Bergen St., Brooklyn 16, N. Y.
 *PRINTING Machinery Co., The, 436 Commercial Square, Cincinnati 2, Ohio

COATING MACHINES (Cylinder-Roller), (Lacquer and Varnish)

CHAMBERS Brothers Co., 52nd and Media Sts., Philadelphia, Pa.
 CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.
 *DEXTER Folder Co., Pearl River, N. Y.
 EMBOSOGRAFF Process Co., Inc., 251 William St., New York, N. Y.
 HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N. Y.
 HOHWELER Machinery & Engineering Co., 34 Lincoln Highway, Morrisville, Pa.
 HOLLINGSWORTH, William, Machine Co., 227 Holliday St., Baltimore 2, Md.
 HUDSON-Sharp Machine Co., Green Bay, Wis.
 INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.
 KIDDER Press Co., Inc., Dover, N. H.
 KNOWLTON, M. D., Co., 57 Clarissa St., Rochester 4, N. Y.
 KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Illinois
 POTDEVIN Machine Co., 1226 38th St., Brooklyn 18, N. Y.
 ROSS, Charles & Son, Co., 148-156 Classon Ave., Brooklyn, N. Y.
 ROTOGRAVURE Engineering Corp., 299 Marginal St., East Boston 28, Mass.
 RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
 WALDRON, John, Corp., New Brunswick, N. J.

COATING MACHINES (Wax and Hot Melt—Thermoplastic)

ACME Winter Corp., 1559 Niagara St., Buffalo 13, N. Y.
 CONTAINER Equipment Corp., Newark, N. J.
 DOW Chemical Co., Midland, Mich.
 HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City, N. Y.
 HUDSON Sharp Machine Co., Green Bay, Wis.
 INTERNATIONAL Paper Box Machine Co., The, Nashua, N. H.
 KNOWLTON, M. D., Co., 57 Clarissa St., Rochester 4, N. Y.
 KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Illinois
 *PAASCHE Airbrush Co., 1909 Diversey Parkway, Chicago 1, Ill.
 *POTDEVIN Machine Co., 1226 38th St., Brooklyn
 ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.
 STANDARD Process Corp., 734 W. Lexington St., Chicago 7, Ill.
 WALDRON, John, Corp., New Brunswick, N. J.

COLLATING AND GATHERING EQUIPMENT

ACME Winter Corp., 1559 Niagara St., Buffalo 13, N. Y.
 *AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.
 BARKLEY & Dexter, 528 Commonwealth Ave., Boston 15, Mass.
 CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
 CHICAGO Machinery Laboratory, 2719 S. Poplar Ave., Chicago 8, Ill.
 *DEXTER Folder Co., Pearl River, N. Y.
 DUDLEY, Kenneth E., Co., Box 806, Hagerstown, Md.
 *HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
 LOW, John M., & Co., 205 W. Monroe St., Chicago
 *MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.
 *NEW Era Mfg. Co., 375 Eleventh Ave., Paterson 4, N. J.
 PEARCE Development Co., 1606 E. 30th St., Cleveland 14, Ohio
 PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.
 *ROSSBACK, F. P., Co., 5th & Park Sts., Benton Harbor, Mich.
 SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.
 STA-HI Corp., 235 W. Washington Blvd., Whittier, Calif.
 UNIVERSAL Jogger Co., 322 S. Fourth St., Minneapolis 15, Minn.

COLOR FILTERS

ANSKO, 42 Charles St., Binghamton, N. Y.
 DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N. Y.
 DU PONT, E. I. de Nemours, Photo Products Dept., 1428 Nemours Bldg., Wilmington 98, Del.
 *EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.
 GOERZ American Optical Co., C. P., 317 E. 34th St., New York 16, N. Y.
 ROSSCO Laboratories, 367 Hudson Ave., Brooklyn 1, New York
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

COLOR SEPARATION PROCESS

CRAFTINT MFG. Co., 1615 Collamer Ave., Cleveland 10, Ohio
 *GRAPHIC Arts Corp., 110 Ottawa St., Toledo, Ohio
 HUEBNER Laboratories, 102 N. Mamaroneck Ave., Mamaroneck, N. Y.
 LONG Engineering Research Co., 1000 Wheatland Rd., Linden, N. J.
 MARK & Son, John G., 525 Broadway, New York 12, N. Y.
 MERIX Chemical Co., 1021 E. 53th St., Chicago 11, Illinois
 OFFSET Printing Plate Co., 100 Bleeker St., New York 12, N. Y.

COLOR SYSTEMS

A.I. COLOR Co., 527 Fifth Ave., New York 17, N. Y.
 ANSCO, 42 Charles St., Binghamton, N. Y.
 BEATTIE Process Camera Corp., 210 Fulton St., New York 8, N. Y.
 COLORGRAPH Process Co., 241 E. Illinois St., Chicago 11, Ill.
 CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland 10, Ohio
 HUEBNER Laboratories, 102 N. Mamaroneck Ave., Mamaroneck, N. Y.
 MUNSSELL Color Co., 10 E. Franklin St., Baltimore, Maryland

COMPOSING AND MAKEUP STICKS

*HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 *LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
 *ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

COMPOSING MACHINES and SUPPLIES

- 1 Casters, Lead, Rule, Strip & Base
- 2 Casters, Slug
- 3 Cleaners for Matrices

- 4 Cleaners for Plungers
- 5 Cleaners for Spaceban's
- 6 Contrast Matrices
- 7 Cross Rule Machines
- 8 Elrod Rule Bench
- 9 Gas Governors
- 10 Graphite and Graphited Oils
- 11 Keyboards
- 12 Liners, Extensible
- 13 Matrices
- 14 Mold Coolers
- 15 Monotype Storage Eqp.
- 16 Parts and Supplies
- 17 Perforators, Keyboard Tane
- 18 Saw, Odd-Measure
- 19 Slug Shears
- 20 Slug Surfacing Machines
- 21 Quadding Attachment, Automatic
- 22 Tabular Systems
- 23 Type Casters
- 24 Type Setting
- 25 Wipers, Mouthpiece
- 26 Wipers, Spaceband

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26

★BALTIMORE Type & Composition Corp., 15 S. Frederick St., Baltimore, Md.

13 BOOTH, E. A., Rubber Co., Rockefeller Bldg., Cleveland 13, Ohio

16 CORK PAK Co., 45 South St., Mt. Vernon, N. Y.

13 DELGASS Co., 60 E. 42nd St., New York 17, N. Y.

3 4 5 DIXON, Joseph, Crucible Co., 167 Wayne St., Jersey City, N. J.

1 IMPRINT Matrix Co., Charlotte, N. C.

13 INDEPENDENT Electric Machinery Co., 300 South-west Blvd., Kansas City 8, Mo.

16 ★INTERTYPE Corporation, 360 Furman St., Brooklyn 2, New York

13 KELLOGG Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago, Ill.

3 4 5 L & W Service Co., 140 Orange St., Providence, R. I.

16 ★LANSTON Monotype Machine Co., 24th & Locust, Philadelphia 3, Pa.

1 13 15 16 17 7 9 22

23 ★LINTAPE Products Co., 1840 Larimer St., Denver, Colo.

★LINOTYPE Parts Co., So. Hackensack, N. J.

3 4 5 9 10 14 16 21

26 ★LOS ANGELES Type & Rule Co., 225½ E. Pico Blvd., Los Angeles 15, Calif.

13 ★LUDLOW Typograph Co., 2032 Clybourn Avenue, Chicago 14, Illinois

1 13 16 19 20 22

24 MATRIX Contrast Corp., 154 W. 14th St., New York 1, New York

★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, New York

2 3 13 14 16 18 9 11

23 24 MOHR Lino Saw Co., 126 N. Union Ave., Chicago 6

18 MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.

16 MONTGOMERY & Co., 132 N. Main, Towanda, Pa.

3 9 10 MONO-Typecaster Service, 5728 N. Meade Ave., Chicago 30, Ill.

1 13 15

23 MORRISON Company, 125 W. Melvina St., Milwaukee 12, Wis.

18 ROSS-AD Seal, Inc., 738 Lord Street, Indianapolis 2

13 ★ROUSE, H. B., & Co., 2214 North Wayne Ave., Chicago 14, Ill.

18 19 RULEX Type Corp., 127 W. Harrison, Chicago

11 24 STEVENSON, Ashton G., Ponce de Leon, Fla.

1 SUPERIOR Flake Graphite Co., 33 S. Clark St., Chicago 3, Ill.

10 ★TELETYPESETTER Corp., 1400 Wrightwood Ave., Chicago 14, Ill.

17 ★UNIVERSAL Mono-Tabular Corp., 418 N. St. Paul St., Dallas 1, Texas

22 WALLIN Printers Supply Co., 309 S. 13th St., Omaha, Nebraska

1 WIEBKING Engraving Co., 1133 W. Newport Ave., Chicago 13, Ill.

13

CONTACT PRINTING MACHINES (See Printing Frames)

CONTINUOUS DESIGN ROLLERS (Cylinders—Anilin Printing)

AMERICAN Wringer Co., 121 Clinton St., Woonsocket, R. I.

★BINGHAM'S, Sam'l, Son, Mfg. Co., 636 Sherman, Chicago, Ill.

MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.

MOSSYTYPE Corp., 33 Flatbush Ave., Brooklyn 17, N. Y.

SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N. Y.

CONTINUOUS TRIMMERS, BOOK AND MAGAZINE

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5

SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.

SMYTH Mfg. Co., 9 Sigourney St., Hartford 6, Conn.

CONVEYORS (Also see Trucks)

BALDWIN, James L., & Co., 1551 W. Thomas, Chicago

CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago

CRONITE Co., 35 Park Pl., New York 7, N. Y.

CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee 1

JAMPO, The Co., 728 61st St., Brooklyn, N. Y.

LAMSON Corp., 230 Lamson St., Syracuse 1, N. Y.

LINK-Belt Company, 300 W. Pershing Road, Chicago 9, Ill.

MARKET Forge Co., 109 Garvey St., Everett 49, Mass.

★CHARD'S-Wilcox Mfg. Co., Aurora, Ill.

SHAW Box, Crane & Hoist Div., Manning, Maxwell & Moore, Inc., Muskegon, Mich.

COOLER PRESS (For straightening Buckled or Warped Zinc Plates)

EDES Mfg. Co., Plymouth, Mass.

COOLING TABLES

MONOMELT Co., Inc., 1611 Polk St. N. E., Minneapolis 13, Minn.

PHILLIPS & Jacobs, 622 Race St., Philadelphia

STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago, Ill.

COPPERPLATE PRINTING EQUIP- MENT AND SUPPLIES

CRONITE Co., The, 35 Park Pl., New York 7, N. Y.

IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago

PHILLIPS & Jacobs, 622 Race St., Philadelphia

SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

SNYDER, W. H., Co., 88 Walker St., New York 13

COPY-FITTING SYSTEMS (See Gauges and Testing Instru- ments)

CORDS AND TASSELS, TYING

HELMUS, G., & Sons, Inc., 648 Broadway, New York 7

★STANDARD Tag Co., 116 Duane St., New York,

COUNTERS, DATERS, NUMBERING MACHINES AND HEADS

1 Counter and Marker

2 Counters, Folding Machine

3 Counters, Paper Pad

4 Counters, Press

5 Daters

6 Numbering Machines

7 Numbering Machine Cleaners

8 Paging and Numbering Machines, Bindery

9 Rotary Numbering Heads

1 2 3 4 5 6 7 8 9

★AMERICAN Numbering Machine Co., Atlantic & Shepherd Aves., Brooklyn, N. Y.

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16,

★BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.

CELLUSUEDE Products, Inc., 500 N. Madison St., Rockford, Ill.

CUMMINS Business Machines Corp., 4786 Ravenswood Ave., Chicago 40, Ill.

DURANT Mfg. Co., Inc., 1979 N. Buffum St., Milwaukee 1, Wis.

★FORCE, Wm. A., & Co., Inc., 216 Nichols Ave., Brooklyn 8, N. Y.

FOSTER Mfg. Co., 123 N. 13th St., Philadelphia 7

HICKOK, W. O. Mfg. Co., Box 423, Harrisburg, Pa.

HILLS-McCanna, G. A. Div., 3025 N. Western, Chicago 18, Ill.

HOOLE Machine & Engraving Works, Inc., 30 Main St., Brooklyn, N. Y.

1 2 3 4 5 6 7 8 9
MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.

1 MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10

5 NYGREN-Dahly Co., Inc., 1422 W. Altgeld St., Chicago, Ill.

6 8 PRODUCTION Instrument Co., 704 W. Jackson Blvd., Chicago 6, Ill.

2 4 REDINGTON, F. B., Co., 112 S. Sangamon St., Chicago 7, Ill.

★ROBERTS Numbering Machine Co., 694 Jamaica Ave., Brooklyn 8, N. Y.

1 5 6 7 8 9 VEEDER-Root, Inc., Sargent & Garden Sts., Hartford 2, Conn.

4 ★WETTER Numbering Machine Co., Atlantic Ave. & Logan St., Brooklyn 8, N. Y.

6 9

COUPLERS, BELT AND TAPE

CLIPPER Belt Lacer Co., 974 Front Ave., N. W., Grand Rapids 2, Mich.

CORPAC Co., Inc., 45 South St. Mt. Vernon, N. Y.

★HOE, R., & Co., Inc., 910 E. 138th St., New York

SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

COVERS, ALL KINDS

BROCK & Rankin, 619 S. LaSalle St., Chicago 5, Ill.

BURKHARDT Co., 347 W. Larned St., Detroit 26

GREGORY, Inc., 2929 S. Wabash Ave., Chicago 16

SMITH, S. K., Co., 2857 N. Western Ave., Chicago

SPEED Products Co., 37-18 Northern Blvd., Long Island City 1, N. Y.

CREASING, CRIMPING, SCALLOP- ING AND SCORING MACHINES

1 Creasing and Scoring

2 Crimping

3 Scalloping

4 Scoring

1 2 3 4 HOBBS Mfg. Co., 26 Salisbury St., Worcester 5, Mass.

4 HOOPER, F. X., Co., Inc., Glen Arm, Md.

1 4 JACQUES, John, & Son, 93 Webster St., Worcester,

1 LESTER & Wasley Co., Inc., 513 N. Main St., Nor-

1 NYGREN-Dahly Co., 1422 W. Altgeld, Chicago

4 OVERSEWING Machine Co., 368 Congress St., Bos-

1 4 ROBINSON, John T., Co., 1476 River St., Hyde Park,

1 4 ★ROSBACK, F. P., Co., 5th & Park Sts., Benton Har-

1 2 STAUDE, E. G., Mfg. Co., 2675 University Ave., St.

1 4 TABER Instrument Co., No. Tonawanda, N. Y.

1 2 3 4

CURVED PLATE SHAVERS, PROVERS, REFORMERS, etc.

★COTTRELL, C. B., & Sons, Westerly, R. I.

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8

★HOE, R., & Co., Inc., 910 E. 138th St., New York

OSTRANDER-Seymour Co., 4703 W. Arthington St., Chicago, Ill.

WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

WOOD Newspaper Mch. Corp., 501 Fifth Ave., New York 17, N. Y.

CUT STORAGE FILE

DANDY Storage File Co., Wausau, Wis.

EQUIPTO, Div. Aurora Equipment Co., Aurora, Ill.

FOSTER Mfg. Co., 123 N. 13th St., Philadelphia

★HAMILTON Mfg. Co., Two Rivers, Wis.

THOMPSON Cabinet Co., Ludington, Michigan

CUTTERS—LEAD, RULE, SLUG (Also see Paper Cutters, Roll Leaf Cutters.)

★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.

CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.

FOSTER Mfg. Co., 123 N. 13th St., Philadelphia

HELMOLD, J. F., & Brothers, 1462 W. Shakespeare Ave., Chicago 14, Ill.

MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.

PAVYER Printing Machine Works, 600 S. Broadway St. Louis 2, Mo.

★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn,

CUTTING AND CREASING PRESSES, FLATBED CYLINDER

CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield, N. J.
★MIEHLE Printing Press & Mfg. Co., 14th St. & S. Damen Ave., Chicago 8, Ill.

CUTTING AND CREASING PRESSES, PLATEN

★BRANDTJEN & Kluge, Inc., Como at Gaultier St., St. Paul, Minn.
★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio
★MILLER Printing Mch. Co., 1117 Reedsdale St., Pittsburgh 12, Pa.
THOMSON-National Press Co., Inc., Dean Ave., Franklin, Mass.

CUTTING-OFF MACHINES, CURVED STEREOTYPE PLATES

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

CYLINDER GRINDING AND POLISHING EQUIPMENT, GRAVURE

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
MOTTER'S George F., & Sons, 132 S. Pershing Avenue, York, Pa.
NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
ROSS, Charles & Son, Co., 148-156 Classon Ave., Brooklyn, N. Y.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

CYLINDER MAKING EQUIPMENT, LETTERPRESS, GRAVURE AND OFFSET LITHOGRAPHY BY DIRECT PROJECTION (Including Continuous Design and Step and Repeat)

HUEBNER Laboratories, 102 N. Mamaroneck Ave., Mamaroneck, N. Y.

CYLINDER MARKING MACHINES, ROTOGRAVURE

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54
MOTTER'S George F., & Sons, 132 S. Pershing Avenue, York, Pa.

CYLINDER PLATING AND POLISHING, GRAVURE, FOR THE TRADE

ELECTRO-Coatings, Inc., 1662 W. Fullerton Ave., Chicago 14, Ill.
MODEL Engraving Corp., 320 W. 46th St., New York 19, N. Y.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

CYLINDER, ROTARY AND PLATEN PRESS DRAWSHEETS AND TYMPANS (Also see Blankets)

- 1 Blankets, Embossing, Felt
- 2 Drawsheets and Tympan, Paper, Commercial (Also see Paper Index)
- 3 Drawsheets, Newspaper
- 4 Jackets and Tympan other than Paper
- 5 Underpacking

ACME Press Blanket Co., 3900 Sheridan Rd., Chicago 13, Ill.

BAKELITE Corp., Div. Union Carbide & Carbon Corp., 30 E. 42nd St., New York, N. Y.

CARBORUNDUM Co., Niagara Falls, N. Y.

CORPAC Company, Inc., 45 South St., Mount Vernon, N. Y.

★CROMWELL Paper Co., 4801 S. Whipple St., Chicago 32, Ill.

DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.

GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54
MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.

RAPID Roller Co., 2558 S. Federal St., Chicago 14
TINGUE, Brown & Co., 114 E. 23rd St., New York 10, N. Y.

TRIPLET Gauge, 1 Dover St., New York 7, N. Y.

UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.

CYLINDER, SLEEVE AND PLATE MAKING, GRAVURE, FOR THE TRADE

BECK Engraving Co., 7th & Sansome Sts., Philadelphia, Pa.

DILLON, J. C. Co., Inc., 45-61 Court Sq., Long Island City 1, N. Y.

GRAVURE Process Co., 4179 Belmont Ave., Chicago 41, Ill.

HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.

LINOTONE Corporation, 563 W. 35th St., New York, N. Y.

ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.

CYLINDERS, SLEEVES AND PLATES (Gravure)

ATLANTIC Zinc Works, 210 Van Brunt St., Brooklyn 31, N. Y.

EDES Manufacturing Company, Plymouth, Mass.

ELECTRO-Coatings, Inc., 1662 W. Fullerton Ave., Chicago 14, Ill.

GENERAL Printing Machinery Corp., 29 Ryerson St., Brooklyn 5, N. Y.

HUSSEY & Co., C. G., 2850 Second Ave., Pittsburgh LINOTONE Corporation, 563 W. 35th St., New York, N. Y.

NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.

REVERE Copper & Brass, Inc., 230 Park Ave., New York, N. Y.

ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.

STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

★WESTERN Printing Machinery Co., 3519 N. Spaulding Ave., Chicago, Ill.

CYLINDERS, STEEL, LETTERPRESS

- 1 Grooved
- 2 Honey-combed

★COTTRELL, C. B., & Sons Co., Westerly, R. I.

★HESS & Barker, 212 S. Darien St., Philadelphia, Pa.

★HOE, R., & Co., Inc., 910 E. 138th St., New York

★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati

★WESTERN Printing Machinery Co., 3519 N. Spaulding Ave., Chicago, Ill.

★COTTRELL, C. B., & Sons Co., Westerly, R. I.

HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.

HOLLINGSWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore 2, Md.

HUDSON-Sharp Machine Co., Green Bay, Wis.

MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.

MEISEL Press Mfg. Co., Inc., 944 Dorchester Ave., Boston 25, Mass.

★MIEHLE Printing Press & Mfg. Co., 2011 Hastings St., Chicago 8, Illinois

RATHBUN & Bird Co., 379 W. Broadway, New York 12, N. Y.

SPECIALTY Automatic Machine Co., 200 Boston Ave., Medford, Mass.

DARK ROOM EQUIPMENT

BROWN, W. A., Mfg. Co., 2035 Charleston St., Chicago 47, Ill.

★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.

★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26

★EASTMAN Kodak Co., 343 State St., Rochester 4, N. Y.

KELLOGG, Div. American Brake Shoe Co., 99 Humboldt St., Rochester 9, N. Y.

★LANSTON Monotype Machine Co., Twenty-fourth at Locust, Philadelphia 3, Pa.

LEEDAL Stainless Steel Products, Inc., 2707 S. Wells St., Chicago 16, Ill.

PHILLIPS & Jacobs, 622 Race St., Philadelphia

PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 30, Ill.

ROBERTSON, R. R., 3069 N. Elston Ave., Chicago

★WILLIAMS, Brown & Earle, Inc., 918 Chestnut St., Philadelphia 7, Pa.

ZARKIN Machine Co., 34-19 10th St., Long Island City 6, N. Y.

DECKLE-EDGING MACHINES

LESTER & Wasley Co., Inc., The, 513 N. Main St., Norwich, Conn.

DEEP ETCH METHODS, OFFSET LITHO, AND SUPPLIES

- 1 Methods
- 2 Supplies

ANCHOR, Chemical Co., Inc., 829 Bergen St., Brooklyn 16, N. Y.

DOM, G. C., Supply Co., 125 Pearl St., Cincinnati, Ohio

FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.

★GAETJENS, Berger & Wirth, 35 York St., Brooklyn, N. Y.

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5

HILL-Henschel Co., 3928 Clayton Ave., St. Louis, Mo.

★INTERNATIONAL Printing Ink Corp., 67 W. 44th St., New York 1, N. Y.

LE PAGE'S, Inc., Gloucester, Mass.

LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.

★MCKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio

METZGER, Alfred E., 30 Irving Place, New York 3, N. Y.

PHILLIPS & Jacobs, 622 Race St., Philadelphia 6

PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 50, Ill.

ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.

ROGERS Isinglass & Glue Co., 210 Eastern Ave., Gloucester, Mass.

SENEFELDER Co., The, 32 Greene St., New York 13, N. Y.

★SIEBOLD, Inc., J. H. & G. B., 47 Watts Street, New York 13, N. Y.

SINCLAIR & Valentine Co., Inc., 611 W. 129th St., New York 27, N. Y.

WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

DELIVERIES, PRESS

- 1 Deliveries, Automatic Pile
- 2 Deliveries, Extension
- 3 Deliveries, Press to Bronzer

★AMERICAN Type Founders Sales Corp., 200 Elmora Ave., Elizabeth 2, N. J.

★COTTRELL, C. B., & Sons Co., Westerly, R. I.

HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.

HOLLINGSWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore 2, Md.

HUDSON-Sharp Machine Co., Green Bay, Wis.

MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.

MEISEL Press Mfg. Co., Inc., 944 Dorchester Ave., Boston 25, Mass.

★MIEHLE Printing Press & Mfg. Co., 2011 Hastings St., Chicago 8, Illinois

RATHBUN & Bird Co., 379 W. Broadway, New York 12, N. Y.

SPECIALTY Automatic Machine Co., 200 Boston Ave., Medford, Mass.

WHEN WRITING SUPPLY FIRMS KINDLY MENTION

DEVELOPING TROUGHS AND SINKS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B. N. J.
 BROWN, W. A., Mfg. Co., 2035-49 W. Charleston St., Chicago 47, Ill.
 ★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 BROWN Coating Eqpt. Co., Wellston, Ohio
 ★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan
 LEEDAL Stainless Steel Products, Inc., 2707 S. Wells St., Chicago 16, Ill.
 MILLER-Trojan Co., Inc., 1083 W. Main St., Troy, Ohio
 PITMAN, Harold M., Co., 51st Ave. & 33rd Ct., Chicago, Ill.
 RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 6th Ave., New York 13, N. Y.
 ★SEBOLD, Inc., J. H. & G. B., 47 Watts Street, New York 13, N. Y.

DIAPHRAGMS, CAMERA

GOODRICH, B. F., Co., 434 S. Main St., Akron, Ohio
 ★ROBERTSON, R. R., 3069 N. Elston Ave., Chicago
 UNITED States Rubber, Inc., 1230 Sixth Ave., New York 20, N. Y.

DIAPHRAGM CONTROLS

★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan
 POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.
 ★ROBERTSON, R. R., 3069 N. Elston Ave., Chicago
 VULCAN Rubber Products, Inc., 58th S. & 1st Ave., Brooklyn 20, N. Y.

DICTIONARIES

FUNK & Wagnalls, 354 Fourth Ave., New York
 MERRIAM, G. & C., Co., 47 Federal St., Springfield 2, Mass.

**DIE-CUTTING LUMBER
(See Wood, Blocking, etc.)****DIE-CUTTING MACHINES**

1 Hollow Dies
 2 Upright
 1 2
 FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio
 1
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
 1 2
 HOBBS Mfg. Co., 26 Salisbury St., Worcester, Mass.
 2
 HOLLINGSWORTH, William, Machine Co., 227 Holliday St., Baltimore, Md.
 2
 LOGEMANN Brothers Co., 3154 W. Burleigh St., Milwaukee, Wis.
 2
 ★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
 2
 ROBINSON, John T., Co., Hyde Park 36, Mass.
 2
 SHERIDAN, T. W. & C. B., Co., 135 Lafayette, New York 13, N. Y.
 2
 SOUTH Wabash Engineering Co., 203 N. Wabash Ave., Chicago, Ill.
 1 2
 STANDARD Machinery Co., The, Mystic, Conn.
 2
 UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.

DIE-CUTTING PRESSES

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
 ARTISTIC Die Mfg. Co., 2306 W. 8th St., Cincinnati
 ★BRANDTJEN & Kluge, Inc., Como at Gaultier St., St. Paul, Minn.
 CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield, N. J.
 ★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 ★LAWSON, E. P., Co., 426 W. 33rd St., New York 1, N. Y.
 SMITH & Winchester Mfg. Co., So. Windham, Conn.
 THOMSON-National Press Co., Dean Ave., Franklin, Mass.

DIE-HEATERS (For Hot Embossing and Smashing)

ACME Electric Heating Co., 1217 Washington St., Boston 10, Mass.
 THOMSON-National Press Co., Dean Ave., Franklin, Mass.

**DIE-MAKING MATERIALS
(Also see Rule)**

- 1 Cork Composition
- 2 Cork-Rubber Composition

- 3 Rubber, Sponge
- 4 Rule, Brass
- 5 Rule, Steel
- 6 Steel Rule Cutters

- 1 2 3 4 5 6

★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N. Y.

AMERICAN Fabricators, 22 W. 21st St., New York 10, N. Y.

DISSTON, Henry, & Sons, Inc., Tacony, Philadelphia 35, Pa.

GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio

HALE, Frank D., 64 Tonnele Ave., Jersey City 6, N. J.

HELMOLD, J. F., & Bro., Inc., 1462 Shakespeare Ave., Chicago 14, Ill.

HOUSE of Hansen, Inc., 610 Atlantic Ave., Boston 4

MARKEL Products Co., 100 Gold St., New York 7 3

★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.

SIMONDS Saw & Steel Co., 470 Main St., Fitchburg, Mass.

WILSO Lite Corp., 501 Amherst St., Buffalo 7, N. Y.

**DIES, CUTTING AND EMBOSsing
(One Operation)**

★ACCURATE Steel Rule Die Co., 22 W. 21st St., New York, N. Y.
 AMERICAN Fabricators, 22 W. 21st St., New York 10, N. Y.
 EMBOSOGRAF Corp., 38 W. 21st St., New York, N. Y.
 HOOLE Machine & Engraving Co., 30 Main St., Brooklyn, N. Y.
 RINGLER, F. A., Co., 39 Barclay St., New York, N. Y.
 SCHMIDT, Geo. T., Inc., 4108 N. Ravenswood Ave., Chicago 13, Ill.
 SCHULTZ, E. C., & Co., 538 S. Clark St., Chicago, Illinois

DIES, HOLLOW

CUTWELL Steel Rule Die Co., 10 W. 20th St., New York 10, N. Y.
 FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio
 SCHULTZ, E. C., & Co., 538 S. Clark St., Chicago, Illinois
 UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.

**DIES, SPECIAL FOR BOOKBINDERS
AND SPECIALTY MFRS.**

AMERICAN Fabricators, 22 W. 21st St., New York, N. Y.
 ★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N. Y.
 ALVIN Co., 215 W. 20th St., New York 11, N. Y.
 FREEDMAN Die Cutters, Inc., 10 W. 20th St., New York 11, N. Y.
 FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio
 G. B. C. Die and Manufacturing Co., 812 W. Belmont Ave., Chicago 14, Ill.
 SCHMIDT, Geo. T., Inc., 4108 N. Ravenswood Ave., Chicago 13, Ill.
 SCHULTZ, E. C., & Co., 538 S. Clark St., Chicago
 UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.

DIES, STEEL RULE

(See Steel Rule Cutting Dies)

**DIE-STAMPING PRESSES AND ROLL
LEAF HOT STAMPING ATTACH-
MENTS**

1 Die-Stamping Presses
 2 Roll Leaf Hot Stamping
 1 2
 ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
 1 2
 APEX Products Corp., 53 E. 10th St., New York 1
 COE, W. H., Mfg. Co., 89 Ship St., Providence, R. I.
 COUGHLIN Mfg. Co., 697-699 E. 132nd St., New York 54, N. Y.
 2
 GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
 1 2
 HICKOK, W. O., Mfg. Co., Harrisburg, Pa.
 1
 KINGSLEY Stamping Machine Co., 1606 Cahuenga Blvd., Hollywood 28, Cal.
 MARKEM Machine Co., Congress St., Keene, N. H.

1 2
 MATTHEWS, James H., & Co., 3951 Forbes St., Pittsburgh, Pa.

OLSEN Mark Corp., 124 White St., New York, N. Y.

1 2
 PEERLESS Roll Leaf Co., Inc., 4511 New York Ave., Union City, N. J.

1 2
 ROOVERS Bros., Inc., 3611 14th Ave., Brooklyn 1

STANDARD Machinery Co., Mystic, Conn.

1
 STOLP-Gore Co., 710 W. Jackson Blvd., Chicago 6
 1 2

**DIE-STAMPING PRESSES, STEEL DIE
PRINTING AND EMBOSsing,
COPPERPLATE PRESSES AND
SUPPLIES**

CRONITE Co., The, 35 Park Pl., New York 7, N. Y.
 OLNEY Machine Works, 4841 Rising Sun Ave., Philadelphia 20, Pa.
 OLSENMARK Corp., 124 White St., New York 13
 ROOVERS Bros., Inc., 3611 14th Ave., Brooklyn

**DIRECT PROJECTION MACHINE
(See Cylinder Making Equipment)****DISTRIBUTOR ROLLERS, RECIPRO-
CATING (Vibrators)**

ACME Printing Appliance Co., 542 S. Dearborn St., Chicago 5, Ill.
 BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago 5, Ill.
 ★CHALLINER Machinery Co., Grand Haven, Mich.
 GEGENHEIMER, William, 80 Roebling St., Brooklyn 1, N. Y.
 HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.

**DOCTOR BLADE, GRINDING
MACHINES**

HANCHETT Mfg. Co., 906 N. State, Big Rapids, Mich.
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 LEHMANN, J. M., Co., Inc., 550 New York Ave., Lyndhurst, N. J.
 MOTTER'S, George F., & Sons, 132 S. Pershing Avenue, York, Pa.
 STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

DOLLIES, PAPER ROLL

★CJINE Electric Mfg. Co., 3405 W. 47th, Chicago
 GOSS Printing Press Co., 1335 S. Paulina, Chicago 8
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Ill.
 LEWIS-Shepherd Products, Inc., 239 Walnut Street, Watertown 12, Mass.
 MARKET Forge Co., 30 Garvey St., Everett, Mass.
 NOLAN Corp., 1333 E. Dominick St., Rome, New York
 NUTTING Truck & Caster Co., Inc., 1125 W. Division St., Faribault, Minn.
 REVOLVATOR Co., 86th & Tonnelle Ave., North Bergen, N. J.

**DOUBLE ROLLING DEVICE
(Miehle V)**

★BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.
 CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.
 FARNSWORTH, John, Bourse Bldg., Philadelphia 6
 GRAPHIC Arts Accessories, 308 Marquette Bldg., Detroit, Mich.
 SPECIALTY Printing Eqpt. Co., 1617 Vandalia St., Cincinnati, Ohio

**DRAWSHEETS AND TYMPANS,
CYLINDER, ROTARY AND PLATEN
PRESS (See Cylinder, Rotary and
Platen Press Drawsheets and Tym-
pans)****DRIERS (See Ink Driers)****DRILLING AND SLOTTING EQUIP-
MENT**

BERRY Machine Co., 716 N. First St., St. Louis, Mo.
 ★CHALLENGE Mch. Co., Grand Haven, Mich.
 FOSTER Mfg. Co., 123 N. 13th Street, Philadelphia 7, Pa.
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 HELMOLD, J. F., & Bros., 1462 W. Shakespeare Ave., Chicago 14, Ill.
 JONES, James H., Co., 130 N. Clinton St., Chicago 6, Ill.
 LASSCO Products, Inc., 485 Hague St., Rochester 6, N. Y.

★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1
 MICK, Walter, K., Co., 500 Robert St., St. Paul 1, Minn.
 MULLER, Chas. A., Co., 153 Lafayette St., New York
 NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.
 NYGREN-Dahley Co., Inc., 1422 W. Altgeld St., Chicago, Ill.
 PIONEER Mfg. Co., 1212 Jackson St., Toledo 2, Ohio
 SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Me.
 TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio
 WALLIN Printers Supply Co., 309 S. 13th St., Omaha, Nebr.

DROSS SIFTER

★MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.

DRY PLATE NEGATIVE MATERIALS

CRAMER, G., Dry Plate Co., 1835 Shenandoah Ave., St. Louis 4, Mo.
 CONSOLIDATED Hammer Dry Plate & Film Co., 2711 Miami St., St. Louis 18, Mo.
 ★EASTMAN Kodak Co., Rochester 4, N. Y.
 PHILLIPS & Jacobs, 622 Race St., Philadelphia
 SENEFFELDER Co., The, 32 Greene St., New York 13, N. Y.
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

DRYING CABINETS FOR NEGATIVES AND PRINTS

★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 ★DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
 MASTER Etching Machine Co., Inc., 127 Greenwood Ave., Wyncote, Pa.
 PHILLIPS & Jacobs, 622 Race St., Philadelphia
 SIMPLEX Specialty Co., Inc., 116 W. 14th St., New York, N. Y.
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

**EASELS, CARDBOARD**

ALVIN Co., 215 W. 20th St., New York 11, N. Y.
 FREEDMAN Die Cutters, Inc., 12 W. 20th St., New York 11, N. Y.
 GREGGORY, Inc., 2929 S. Wabash Ave., Chicago 16

EDITION MARKERS, NEWSPAPER

GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.

EGGSHELLING MACHINES

(See Embossing Machines, Roller)

EJECTOR PRESS PUNCHES

★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N. Y.
 DUDLEY, Kenneth E., Co., Box 806, Hagerstown Md.
 HELMOLD, J. F., & Bros., 1462 W. Shakespeare Ave., Chicago 14, Ill.
 MARKEL Products Co., 100 Gold St., New York 7
 ★RICHARDS, J. A., Co., The, 903 N. Pitcher St., Kalamazoo 13F, Mich.

ELECTRIC EYE REGISTER CONTROL

BECK, Chas., Machine Co., 414 N. 13th St., Philadelphia & Pa.
 CAMERON Machine Co., 61 Popular St., Brooklyn 7
 CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield, N. J.
 ★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 6, Ill.
 GENERAL Electric Co., 1 River Rd., Schenectady 3, N. Y.
 ★POTDEVIN Machine Co., Inc., 1226 38th St., Brooklyn, N. Y.
 SMITH & Winchester Mfg. Co., South Windham, Conn.
 WESTINGHOUSE Electric & Mfg. Co., East Pittsburgh, Pa.

ELECTRICITY GENERATORS

ALLIS-Chalmers Mfg. Co., 1949 Noel St., Milwaukee 2, Wis.
 CATERPILLAR Tractor Co., Peoria, Ill.
 CROCKER-Wheeler Electric Mfg. Co., Div. Elliott Co., Ampere, East Orange, N. J.
 GENERAL Electric Co., 1 River Rd., Schenectady 3, N. Y.
 ★RELiance Electric & Engineering Co., 1101 Ivanhoe Road, Cleveland 10, Ohio

ELECTRONIC MOTOR CONTROLS

★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 32, Ill.
 CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee

ELECTRON Equipment Corp., 917 Meridian Ave., South Pasadena, Cal.
 GENERAL Electric Co., 1 River Rd., Schenectady 3, N. Y.
 ★RELiance Electric & Engineering Co., 1101 Ivanhoe Road, Cleveland 10, Ohio

ELECTROTYPE BEARERS

★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City, N. Y.
 ECONOMY Printers Products Co., Inc., 609 S. La Salle St., Chicago 5, Ill.
 ★MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
 PRINTERS Supply Service, 719 S. Dearborn St., Chicago 5, Ill.

ELECTROTYPERS' PLATING EQUIPMENT

HANSON-Van Winkle-Munning, Mattawan, N. J.
 OSTANDER-Seymour Co., 4703 W. Arthington, Chicago, Ill.

ELEVATORS, PAPER HANDLING (Tiering Machines)

AUTOMATIC Transportation Co., 101 W. 87th St., Chicago, Ill.
 ★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 32, Ill.
 EASTON Car & Construction Co., Easton, Pa.
 ECONOMY Engineering Co., 4511 W. Lake St., Chicago, Ill.
 ELWELL Parker Electric Co., 4517 St. Clair Ave., Cleveland, Ohio
 LEWIS-Shepard Products Inc., 239 Walnut St., Watertown 12, Mass.
 MARKET Forge Co., 109 Garvey St., Everett 49, Mass.
 NOLAN Corp., 1333 E. Dominick St., Rome, New York
 PRINTRADE Machinery Corp., 441 Lexington Ave., New York 17, N. Y.
 REVOLVATOR Co., 86th & Tonnelles Ave., North Bergen, N. Y.
 SERVICE Caster & Truck Co., 681 N. Brownwood Ave., Albion, Mich.

EMBOSSING MACHINES, ROLLER (Eggshelling, Pebbling, Roughing and Stippling)

CHAMPLAIN Company, 88 Llewellyn Ave., Bloomfield, N. J.
 CAVAGNARO, John J., 5th & Essex Sts., Harrison, N. J.
 HUDSON Sharp Machine Co., Green Bay, Wis.
 KNOWLTON, M. D., Co., Rochester, N. Y.
 KOHLER System Co., 139 E. Chicago Ave., Chicago 11, Ill.
 MARCONETTI, A. E., Inc., New York, N. Y.
 PAPER Converting Machine Co., Green Bay, Wis.
 PEERLESS Roll Leaf Co., 4511 New York Ave., Union City, N. J.
 ★POTDEVIN Machine Co., Brooklyn 18, N. Y.
 ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.
 RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City, N. Y.
 SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N. Y.
 WALDRON, John, Corp., New Brunswick, N. J.

EMBOSSING MACHINES, ROLLER, ROLLS (Embossing Cylinders)

BINGHAM'S, Sam'l., Sons, Mfg. Co., 636 Sherman St., Chicago 5, Ill.
 LINOTONE Corp., 563 W. 35th St., New York, N. Y.
 RINGLER, F. A., & Co., 40 Park Pl., New York 7, N. Y.
 SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N. Y.
 STONE, Thos. & George M., 502 Mulberry St., Newark 5, N. J.

EMBOSSING MACHINES, UPRIGHT

EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10, N. Y.
 GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
 SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.
 STANDARD Machinery Co., Mystic, Conn.

ENGRAVING BY MACHINE FOR THE TRADE

STONE, Thos. & George M., 502 Mulberry St., Newark 5, N. J.

ENGRAVING MACHINES FOR METAL, BANK NOTES, etc.

CRONITE Co., 35 Park Place, New York 7, N. Y.
 GORTON, George, Machine Co., 1320 Racine St., Racine, Wis.

ENGRAVING PANTAGRAPH, MACHINE FOR WOOD

OISEN Mark Corp., 124 White St., New York 13, N. Y.
 STONE, Thos. & George M., 502 Mulberry St., Newark 5, N. J.

ENVELOPE MAKING MACHINES

LESTER & Wasley Co., Inc., 513 N. Main St., Norwich, Conn.
 SMITHE, F. L., Co., 633 W. 44th St., New York, N. Y.
 STANDARD Duplicating Machines Corp., 1935 Revere Beach Pkwy., Everett 49, Mass.
 STAUDE, F. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.

ENVELOPE OPENERS

PITNEY-Bowes, Inc., 757 Pacific St., Stamford, Conn.

ENVELOPE SEALING MACHINES

AMSCO Packaging Mch'y. Co., 31-31 48th Ave., Long Island City, N. Y.
 PITNEY-Bowes, Inc., 757 Pacific St., Stamford, Conn.

ESTIMATING GUIDES

1 Ink Consumption
 2 Job Printing Cost
 3 Paper
 4 Type Conversion Rules
 1 2 3 4
 BALDWIN Paper Co., 233 Spring St., New York 3
 CLEVELAND Paper Co., Gale Craig, 1640 Superior Ave., Cleveland 14, Ohio
 HOCH, Fred W., Associates, Inc., 461 Eighth Ave., New York 1, N. Y.
 1 2 3 4
 PORTE Publishing Co., 952 E. 21st South St., Salt Lake City 5, Utah

ETCHES, STEEL and COPPER PLATE

CRONITE Co., 35 Park Place, New York 7, N. Y.
 PHILLIPS & Jacobs, 622 Race St., Philadelphia 6

ETCHING MACHINES

AURORA School of Photoengraving, Aurora, Mo.
 BROWN, W. A., Mfg. Co., 2035 Charleston Ave., Chicago 47, Ill.
 ★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 CRONITE Co., The, 35 Park Place, New York 7, N. Y.
 ★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan
 EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10, N. Y.
 HOLMSTROM, Axel, Etching Machines, 321 Walnut St., Philadelphia, Pa.
 MASTER Etching Machine Co., Inc., 127 Greenwood Ave., Wyncote, Pa.
 PHILLIPS & Jacobs, 622 Race St., Philadelphia
 ★ROBERTSON, R. R., 3069 N. Elston Ave., Chicago 6
 SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.
 U. S. Stoneware Co., 60 E. 42nd St., New York 17

ETCHING MACHINES for MARKING

★HOE, R. & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 IDEAL Industries, Inc., 5069 Park Ave., Sycamore, Ill.

EXHAUST SYSTEMS

AMERICAN Brake Shoe Co., Kellogg Div., Rochester 9, N. Y.
 DE VILBISS Co., 300 Phillips Ave., Toledo, Ohio

EYELETING, BRASS

FREEDMAN Die Cutters, Inc., 10 W. 20th St., New York 11, N. Y.
 ★STANDARD Tag Co., 116 Duane St., New York

EYELETING MACHINES

(See Tag Machinery)

MAKATAG Co., 2 Linden St., Reading, Mass.
 UNITED Shoe Machinery Corp., 140 Federal St., Boston, Mass.
 WAKEFIELD Machine Co., Inc., Wakefield, Mass.

EYELETS

★HOE, R. & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N. Y.
 UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.

EYELETS, TELESCOPIC (Plastic)

KIRK, F. J., Molding Co., Brook St., Clinton, Mass.

**FANS, PRESS ROLLER COOLING**

AMERICAN Blower Corp., Box 58, Roosevelt Park Annex, Detroit 13, Mich.
 ILG Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
 TRANE Co., 2nd & Cameron Aves., La Crosse, Wis.

FANS, PROPELLER

EMERSON Electric Mfg. Co., 8100 Florissant St.,
Louis 21, Mo.
ILG Electric Ventilating Co., 2850 N. Crawford Ave.,
Chicago 41, Ill.
TRANE Co., 2nd & Cameron Ave., La Crosse, Wis.
WESTINGHOUSE Electric Corp., P. O. Box 868,
Pittsburgh, Pa.

FANS, VENTILATING

EMERSON Electric Mfg. Co., 8100 Florissant St.,
Louis 21, Mo.
GENERAL Electric Co., 1 River Rd., Schenectady,
ILG Electric Ventilating Co., 2850 N. Crawford Ave.,
Chicago 41, Ill.
TRANE Co., The, La Crosse, Wis.
WESTINGHOUSE Electric Corp., P. O. Box 868,
Pittsburgh, Pa.
WING, L. J., Mfg. Co., 154 W. 14th St., New York

FASTENERS, PAPER

BOSTITCH, Inc., Mechanic St., Westerly, Rhode
Island
DUNNISON Mfg. Co., 300 Howard St., Framing-
ham, Mass.
GRAMMES, L. F., & Sons, 352 Union St., Allen-
town, Pa.
HELLER Co., The, 2135 Superior Ave., Cleveland 6,
HOTCHKISS, E. W., Co., 10 Hoyt St., Norwalk,
Conn.
STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave.,
Brooklyn 5, N. Y.
WILSON-Jones Co., 3300 W. Franklin Blvd., Chi-
cago, Ill.

FEATHER EDGING MACHINES

LESTER & Wasley Co., 513 N. Main St., Norwich,
Conn.
UNITED Shoe Machinery Corp., 140 Federal St.,
Boston 7, Mass.

FEEDERS

1 Cardboard Feeders
2 Cylinder Press Feeders
3 Envelope Feeder (Two-up)
4 Folding Machine
5 Gumming Machine
6 Perforating Machine
7 Platen Press
8 Roll Leaf
9 Roll Paper
10 Ruling Machine
11 Rotary Press, Sheet-fed
12 Stream Feeders
1 2 3 4 5 6 7 8 9 10 11
ADDRESSOGRAPH-Multigraph Corp., Euclid Post
Office, Cleveland, Ohio

ALTAIR Machinery Corp., 55 Vandam St., New York
ALVIN Co., 215 W. 20th St., New York, 11, N. Y.

★AMERICAN Type Founders Sales Corp., 200 Elmora
Ave., Elizabeth 8, N. J.

BARKLEY & Dexter, 528 Commonwealth Ave., Bos-
ton 15, Mass.

★BAUM, Russell Ernest, 615 Chestnut St., Phila-
delphia 6, Pa.

★BRANDTJEN & Kluge, Inc., Gaultier St. & Como
Ave., St. Paul, Minn.

CAMERON Machine Co., 61 Poplar St., Brooklyn 2,
N. Y.

CHAMBERS Bros. Co., 52nd & Media Sts., Phila-
delphia, Pa.

★CHANDLER & Price Co., 6000 Carnegie Ave.,
Cleveland 3, Ohio

★COTTRELL, C. B., & Sons Co., Westerly, R. I.

DAVIDSON Corp., Subs. of Mergenthaler Linotype
Co., 1020 W. Adams St., Chicago 7, Illinois

★DEXTER Folder Co., Pearl River, N. Y.

HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.

HOLLINGSWORTH, Wm., Machine Co., 227 N.
Holliday St., Baltimore 2, Md.

HUDSON-Sharp Machine Co., Green Bay, Wis.

KOHLER Systems Company, 159 E. Chicago Ave.,
Chicago 11, Illinois

McADAMS, John, & Sons, Inc., 20 Knight St., Nor-
walk, Conn.

★MIEHLE Printing Press & Mfg. Co., 2011 Hastings
St., Chicago 8, Ill.

MODERN Equipment Co., 2011 Cumming St., Omaha
2, Neb.

NAGEL-Ryan Mfg. Co., Inc., 4363 Woodward Ave.,
Royal Oak, Mich.

1 2 3 4 5 6 7 8 9 10 11
NEW Jersey Machine Corp., Hoboken, N. J.

PAPER Converting Mach. Co., Inc., 601 Harvey St.,
Green Bay, Wis.

PEERLESS Roll Leaf Co., Inc., 4511 New York Ave.,
Union City, N. J.

SAYBROOK Manufacturing Corp., 28 W. 23rd St.,
New York 10, N. Y.

★SCOTT, Walter, & Co., 525 South Ave., Plainfield,
N. J.

SPECIALTY Automatic Machine Co., 200 Boston
Ave., Medford, Mass.

ZANETTI Machine Works, Inc., 1630 Jerrold Ave.,
San Francisco, Calif.

FEEDERS, METAL, FOR COMPOSING MACHINES

COFFING Hoist Co., 800 Walters St., Danville, Ill.
★INTERTYPE Corporation, 360 Furman St., Brook-
lyn 2, N. Y.
LINTYPE Maintenance Co., 273 Broadway, New
York 1, N. Y.
★LINTYPE Parts Co., 203 Lafayette St., New York
MARGACH Mfg. Co., Inc., 82 Beekman St., New
York, N. Y.
★MERGENTHALER Linotype Co., 29 Ryerson St.,
Brooklyn 5, N. Y.
MISSOURI-Central Type Foundry, Wichita, Kan.
MONOMELT Co., Inc., 1611 Polk St. N. E., Min-
neapolis 13, Minn.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn
★UNITED American Metals Corp., Calver & Diamond
Sts., Brooklyn 22, N. Y.

FEEDING ATTACHMENTS, CARBON FORMS

STANDARD Register Co., 626 Albany St., Dayton 1,
Ohio

FIBER SIGN PASTER, FOLDER

ANDERSON, C. F., & Co., 3225 Calumet Ave., Chi-
cago 16, Ill.

FILM CEMENT

★EASTMAN Kodak Co., Rochester 4, N. Y.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
WILLIAMS, Brown & Earle, 918 Chestnut St., Phila-
delphia, Pa.

FILM GUIDE MACHINES

YOUNG Engineering Co., 2429 N. Sheffield, Chicago
14, Ill.

FILM HOLDERS

BROWN Coating Eqpt. Co., Wellston, Ohio
★DOUTHITT Corporation, 680 E. Fort St., Detroit
★EASTMAN Kodak Co., 343 State St., Rochester 4,
N. Y.
IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chi-
cago 8, Ill.
★ROBERTSON, R. R., 3069 N. Elston Ave., Chicago
WILLIAMS, Brown & Earle, 918 Chestnut St., Phila-
delphia, Pa.

FILM, PAPER, PLATES

ANSCO, 40 Charles St., Binghamton, N. Y.
CALIFORNIA Ink Co., Inc., 543 Sansome St., San
Francisco, Cal.
★CHEMCO Photoproducts Co., New St., Glen Cove,
N. Y.
CONSOLIDATED Hammer Dry Plate & Film Co.,
2711 Miami St., St. Louis 18, Mo.
CRAMER Dry Plate Co., G. Lemp & Shenandoah
Ave., St. Louis, Mo.
DEFENDER Photo Supply, Inc., 666 Driving Park
Ave., Rochester, N. Y.
★DOUTHITT Corp., 680 E. Fort St., Detroit 26,
DU PONT, E. I., de Nemours Photo Products Dept.,
1428 Nemours Bldg., Wilmington 98, Del.
★EASTMAN Kodak Co., 343 State St., Rochester 4,
N. Y.
GEVAERT Co. of America, Inc., 423 W. 53th St.,
New York, N. Y.
HALOID Co., Haloid St., Rochester, N. Y.
ILFORD, Limited, 316 W. Washington St., Chicago 6
PHILLIPS & Jacobs, 622 Race St., Philadelphia
WILLIAMS, Brown & Earle, Inc., 918 Chestnut St.,
Philadelphia 7, Pa.

FINISHING EQUIPMENT, ELECTROTYPERS' AND STEREOTYPERS'

★COTTRELL, C. B., & Sons, Westerly, R. I.
GOSS Printing Press Co., 1535 S. Paulina St., Chi-
cago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York
SHAW Machine & Tool Co., 1151 Temple St., Los
Angeles, Cal.

FIRE EXTINGUISHERS AND REFILLS

AMERICAN-La France-Foamite Corp., Elmira, N. Y.
ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16,

DIENER, Geo. W., Mfg. Co., 400 N. Monticello, Chi-
cago 24, Ill.
FEDERAL Mining & Mfg. Co., 222 Kearney Ave.,
Jersey City 4, N. J.
HOTCHKISS, E. W., Co., 10 Hoyt St., Norwalk,
Conn.
PYRENE Mfg. Co., 560 Belmont Ave., Newark 8,
RANDOLPH Laboratories, Inc., 8 E. Kinzie St., Chi-
cago 13, Ill.
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
WIL-X Mfg. Co., subsidiary, Mergenthaler Linotype
Co., 44 Ryerson St., Brooklyn, N. Y.

FLANNELS

BEST, Edward, & Co., 224 Purchase St., Boston, Mass.
CORKPAK Co., 45 South St., Mt. Vernon, N. Y.
FCHS & Lang Mfg., Div. Sun Chemical Corp., 10th
St. & 44th Ave., Long Island City 1, N. Y.
★GODFREY Roller Co., 211 N. Camac St., Philadel-
phia 7, Pa.
HOUSE, Chas. W., & Sons, Inc., 305 5th Ave., New
York 17, N. Y.
ROBERTS & Porter, Inc., 402 S. Market St., Chicago
SENEFELDER Co., 32 Greene St., New York 13,
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New
York 13, N. Y.

FLOCK

CELLUSUEDE Products, Inc., 500 N. Madison St.,
Rockford, Ill.
CLAREMONT Waste Mfg. Co., Claremont, N. H.
RAYON Processing Co., Central Falls, R. I.

FLOCK PRINTING SUPPLIES

CELLUSUEDE Products, Inc., 500 N. Madison St.,
Rockford, Ill.
NAZ-DAR Co., 469 Milwaukee Ave., Chicago 10
SINCLAIR and Valentine Co., 611 W. 129th St.,
New York 27, N. Y.

FLOOR POLISHING and SCRUBBING MACHINES

HILD Floor Machine Co., 740 W. Washington Blvd.,
Chicago, Ill.
TENNANT, G. H., Co., 2530 N. Second St., Minne-
apolis 11, Minn.

FLOORING

JENNISON-Wright Corp., 2463 Broadway, Toledo,
STONHARD Company, 1306 Spring Garden St., Phila-
delphia 11, Pa.

FLUORESCENT and PHOSPHORES- CENT PRODUCTS

CONTINENTAL Lithograph Corp., 952 E. 72nd St.,
Cleveland 8, Ohio
FRINK, Corp., The, 27-01 Bridge Plaza North, Long
Island City, N. Y.
NAZ-DAR Co., 469 Milwaukee Ave., Chicago 10, Ill.
SINCLAIR and Valentine Co., 611 W. 129th St.,
New York 27, N. Y.

FLUORESCENT PROCESS—COLOR CORRECTION

★EASTMAN Kodak Co., 343 State St., Rochester 4,
N. Y.
FRINK, Corp., The, 27-01 Bridge Plaza North, Long
Island City, N. Y.
★GRAPHIC Arts Corp., 110 Ottawa, Toledo, Ohio
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1,

FLYING PASTERS FOR PRESSES

★CLINE Electric Mfg. Co., 3405 W. 47th St., Chi-
cago 32, Ill.
FORD Instrument Co., 31-10 Thomson Ave., Long
Island City 10, N. Y.
GOSS Printing Press Co., 1535 S. Paulina St., Chi-
cago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York
KOHLER System Co., 159 E. Chicago Ave., Chicago
WOOD Newspaper Machinery Corp., 501 Fifth Ave.,
New York 17, N. Y.

FOIL AND LEAF

1 Aluminum Bronze Powder
2 Aluminum Foil, Plain and Colored
2a Copper Foil
3 Colored Gold Foil and Leaf
4 Gold Leaf, Roll
5 Gold Leaf, Sheet and Aluminum Leaf, Sheet
and Roll
6 Imitation Gold Foil and Leaf
7 Lead and Tin Foil
8 Palladium Leaf
9 Plastic Marking Foil and Leaf
10 Silver Foil and Leaf
1 2 2a 3 4 5 6 7 8 9 10
ALL Purpose Gold Corp., 320 Bridge St., Brooklyn,
Pittsburgh 19, Pa.
ALUMINUM Co. of America, 801 Gulf Building,
Pittsburgh 19, Pa.
ATLANTIC Powdered Metals, Inc., 38 Park Row,
New York 1, N. Y.
BOTH, O. A., Corp., 114 Pearl St., Boston 10, Mass.

1 2 2a 3 4 5 6 7 8 9 10
COE, W. H., Mfg. Co., 89 Ship St., Providence, R. I.
COUGHLIN Mfg. Co., 697-699 E. 132nd St., New York 54, N. Y.

3 4 5 6 10
EMBOSSOGRAF Corp., 38 West 21st St., New York 3, N. Y.
FEDERATED Metals Div., American Smelting & Refining Co., 2230 Indianapolis Blvd., Whiting, Ind.

7
GRAUERT, R. W., Inc., 66 W. Broadway, New York 3, N. Y.
GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 East 21st St., New York 10, N. Y.

3 4 5 6
HASTINGS & Co., Inc., 2318 Market St., Philadelphia 3, Pa.

3 4 5 6 8 9 10
ILLINOIS Bronze Powder Co., 2023 S. Clark St., Chicago 16, Ill.

1 2 3 5 6
JOHNSTON Foil Mfg. Co., 6100 S. Broadway, St. Louis, Mo.

2 3 7
★BLATCHFORD Div. National Lead Co., 111 Broadway, New York.

7
PEERLESS Roll Leaf Co., Inc., 4511 New York Ave., Union City, N. J.

2 2a 3 4 5 6 9 10
REYNOLDS Metals Co., 2500 S. Third St., Louisville, Kentucky

2 3 6 7
SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

1
SWIFT, M., & Sons, Inc., 10 Love Lane, Hartford, Conn.

4 5 6 10
WEHRUNG & Billmeier Co., 3624 Lincoln Ave., Chicago 13, Ill.

5 8
FOIL, ELECTROTYPERS'
DIVISION Lead Co., 836 W. Kinzie St., Chicago 22, Ill.

FEDERATED Metals Div., American Smelting & Refining Co., 2230 Indianapolis Blvd., Whiting, Ind.

JOHNSTON Foil Mfg. Co., 6100 S. Broadway, St. Louis, Mo.

REYNOLDS Metals Co., 2500 S. Third St., Louisville, Kentucky

★UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y.

FOLDING MACHINES AND PRESS-ATTACHED FOLDERS

1 Folding Machines, Commercial Job
2 Folding Machines, Fanfold
3 Folding Machines, Letter
4 Folding Machines, Magazine
5 Folding Machines, Newspaper
6 Folding Machines, Quire & Section
7 Folders (press-attached), Magazine
8 Folders (press-attached), Newspaper
9 Folders, Specialty

1 2 3 4 5 6 7 8 9
ADDRESSOGRAPH-Multigraph Corp., Euclid Post Office, Cleveland, Ohio

3
ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago, Illinois

1 9
★AMSTERDAM Cont'l Types & Graphic Equipment, Inc., 44 Whitehall St., New York 4, N. Y.

1
BABCOK Printing Press Corp., 800 Waynesburg Rd., S. E. Canton 1, Ohio

7 8 9
BARKLEY & Dexter, 528 Commonwealth Ave., Boston 15, Mass.

★BAUM, Russell Ernest, 615 Chestnut St., Philadelphia 6, Pa.

1 3 4 5 9
BROWN Folding Machine Co., 3771 Chester Ave., Cleveland 14, Ohio

1 4 5 9
CHAMBERS Bros. Co., 52nd & Media Sts., Philadelphia, Pa.

1 9
★COTTRELL, C. B., & Sons Co., Westerly, R. I.

1 2
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Illinois

3
★DEXTER Folder Co., Pearl River, N. Y.

1 3 4 5 7 8
GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Illinois

★HOE, R., & Co., 910 E. 138th St., New York 54, N. Y.

7 8
HUDSON-Sharp Machine Co., Green Bay, Wis.

1
KOHLE System Company, 159 E. Chicago Ave., Chicago 11, Illinois

7 9
MASTER Folding Machine Co., 3000 Woodhill Rd., Cleveland, Ohio

1
MODERN Equipment Co., 2011 Cuming St., Omaha 2, Neb.

1 3 4 9
NELSON, C. B., & Co., 508 S. Kolmar Ave., Chicago

PAPER Converting Mach. Co., Inc., 601 Harvey St., Green Bay, Wis.

1 2 3 4 5 6 7 8 9
PITNEY-Bowes, Inc., Walnut & Pacific Sts., Stamford, Conn.

3
STAUDE, E. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.

9
WALDRON, John, & Co., Inc., River Rd., New Brunswick, N. J.

★WESTERN Printing Mch. Co., 3519 N. Spaulding Ave., Chicago, Illinois

7 9
FOLDING, QUIRE, MACHINES
★McADAMS, John & Sons, 20 Knight St., Norwalk, Conn.

FORMERS AND SCORCHERS
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HAMMOND Machinery Builders, Inc., 1604 Douglas Ave., Kalamazoo 54, Mich.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

★NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.

PRINTING Equipment Corp., N. Republic Ave., Joliet, Illinois

SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

STA-HI Corporation, 1235 W. Washington Blvd., Whittier, Calif.

STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

FOUNTAIN DIVIDERS, INK
ACME Printing Appliance Co., 542 S. Dearborn St., Chicago 5, Ill.

DAYTON Rubber Mfg. Co., 2342 W. Riverview Ave., Dayton, Ohio

★HOE, R., & Co., 910 E. 138th St., New York 54, N. Y.

PAGE, Robert R., 41 Union Square, New York 3

★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio

FOUNTAINS, GASOLINE, SAFETY BRUSH
SMITH, Francis X., Co., 952 E. 93rd St., Brooklyn

FOUNTAINS, INK, GUNS
DIAMANT Ink Gun, 140 W. 17th St., New York 11

FOUNTAINS, INK, NEWSPAPER, COLOR, PORTABLE
GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HAMILTON Tool Co., 900 Hanover St., Hamilton, Ohio

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

FOUNTAIN SOLUTIONS, OFFSET-LITHO
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio

FUCHS & Lanz Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5

HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11

INTERNATIONAL Printing Ink Corp., 67 W. 44th St., New York 18, N. Y.

★LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.

LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

MCKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio

PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pennsylvania

SENEFELDER Co., The, 32 Greene St., New York 13, N. Y.

★SIEBOLD, J. H. & G. B., 47 Watts St., New York

SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

FURNACES, METAL
1 Remelting, Composing Room (Pig Molds and Tools)
2 Stereotype

★AMERICAN Steel Chase Co., 3131 Forty-Eighth Ave., Long Island City 1, N. Y.

CONCO Engineering Co., Mendota, Ill.

1 2
FISHER Furnace Div., Lindberg Engineering Co., 2450 W. Hubbard St., Chicago 12, Ill.

1 2
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

★HOE, R., & Co., Inc., 910 E. 138th St., New York

IMPERIAL Type Metal Co., 1800 S. 34th Ave., Chicago 50, Ill.

1
INDEPENDENT Electric Machinery Co., 300 Southwest Blvd., Kansas City 8, Mo.

★INTERTYPE Corporation, 360 Furman St., Brooklyn 2, N. Y.

1
JOHNSON Gas Appliance Co., Cedar Rapids, Iowa

1 2
KEMP, C. M., Mfg. Co., 405 E. Oliver St., Baltimore

★LINOTYPE Parts Co., 203 Lafayette St., New York 7, N. Y.

★MARGACH Mfg. Co., Inc., 82 Beekman St., New York 7, N. Y.

★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.

MISSOURI-Central Type Foundry, Wichita, Kan.

★MONOMELT, Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.

★NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.

★SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

SURFACE Combustion, Toledo 1, Ohio

★UNITED American Metals Corp., Calyer & Diamond Sts., Brooklyn 22, N. Y.

UNITED Stereotype Supply Corp., Box 38, West Lynn, Mass.

WESEL Manufacturing Co., 1141 N. Washington Ave., Scranton, Pa.

★WOOD Newspaper Machinery Corp., 501 Fifth Ave., New York 17, N. Y.

FURNITURE
1 Composition
2 Iron
3 Wood
4 Magnesium

1 2 3 4
AMERICAN Wood Type, 35 W. 3rd St., New York, N. Y.

★CHALLENGE Machinery Co., Grand Haven, Mich.

★HAMILTON Mfg. Co., Two Rivers, Wis.

3
HILLS-McCanna G. A. Div., 3025 N. Western, Chicago 18, Ill.

4
IRWIN Manufacturing Co., Garland 1, Pa.

3
★MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N. Y.

★PERFECTION Type, Inc., 141 East 5th Street, St. Paul 1, Minn.

1 2
STEPHENS, Samuel & Wickersham Quoin Co., 174 High St., Boston, Mass.

2 3
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, N. Y.

THOMPSON Cabinet Co., Box 286, Ludington, Mich.

1 2 3

G

GALLEY LABEL HOLDER
★HAMILTON Manufacturing Co., Two Rivers, Wis.

METZ, Fred, 390 E. 162nd St., New York 56, N. Y.

GALLEYS AND GALLEY LOCKS
★ACME Type Foundry, 633 Plymouth Court, Chicago 5, Ill.

★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.

AMERICAN Wood Type, 35 W. 3rd St., New York, N. Y.

ANGLE Steel Stool Co., 309 W. Oak St., Plainwell, Mich.

★CHALLENGE Machinery Co., Grand Haven, Mich.

★FOSTER Mfg. Co., 123 N. 13th St., Philadelphia 7, Pa.

GRAPHIC Arts Products, 1959 E. Jefferson St., Detroit 7, Michigan

GUMMED Tape & Devices Co., 1318-60th St., Brooklyn 19, N. Y.

★HAMILTON Mfg. Co., Two Rivers, Wis.

★LINOTYPE Parts Co., Weatherly, Pa.

★LOS ANGELES Type & Rule Co., 225½ E. Pio Blvd., Los Angeles, Calif.

MAYVILLE Metal Products Co., Mayville, Wis.

RIEHL Galley Lock Co., Inc., 1312 Ontario St., Cleveland 13, Ohio

★STANLEY Leverlock, Walter Y. Stanley, Hastings, Mich.

TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, N. Y.

THOMPSON Cabinet Co., Box 286, Ludington, Mich.

GATHERING AND STITCHING MACHINES
(See Collating and Gathering)

GAUGE PINS, GUIDES, GRIPPERS

AUTOMATIC Register Guide Co., 3921 Seventh Ave., S., Birmingham 6, Ala.
CASPER Gripper Co., 419 Cuyahoga Sav. Bldg., Cleveland 15, Ohio
CHAMPLAIN Company, 88 Llewellyn Ave., Bloomfield, N. J.
CLARKE E. C., 3630 Bloomington Ave., Minneapolis 7, Minn.
GRAPHIC Arts Accessories, 308 Marquette Bldg., Detroit, Mich.
GRAPHIC Arts Laboratories, 549 W. Randolph St., Chicago, Ill.
GROVE, Jacob R., Co., 4024 Brandywine St., N. W., Washington, D. C.
★MEGILL, Edward L., Co., 761 Atlantic Ave., Brooklyn 17, N. Y.
NORTHWEST Type Foundry, 507 S. 4th St., Minneapolis, Minn.
SPECIALTY Printing Equipment Co., 1617 Vandalia St., Cincinnati, Ohio
STILES, Chas. L., 64 Hanford St., Columbus, Ohio

GAUGES, POWER, PAPER CUTTING MACHINES

GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N. Y.
POWER Gauges, 304 Hudson St., New York 13

GAUGES AND TESTING INSTRUMENTS

1 Abrasion Tester
 2 Casting Box
 3 Color Fastness to Light
 4 Color Matching
 5 Contrastometer
 6 Copyfitting Systems
 7 Densitometer
 8 Depthometer
 9 Durometer
 10 Duvallscope
 11 Half-tone Dot Microscope
 12 Inkometer
 13 Matrix
 14 Micrometer
 15 Moisture
 16 Paper
 17 pH Comparator
 18 pH Meter
 19 Plate
 20 Press Test Blocks
 21 Roller Setting
 22 Rules and Line Gauges
 23 Saw
 24 Scleroscope
 25 Sheet Register
 26 Slug
 27 Stroboscope
 28 Surface Pyrometer
 29 Tachometer
 30 Type High
 31 Burst Tester

1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15 16 17 18 19 20 21 22
 23 24 25 26 27 28 29 30 31
AMERICAN Wood Type, 35 W. 3rd St., New York 12, N. Y.

AMTHOR Testing Instrument Co., Inc., 45 VanSinderen Ave., Brooklyn 7, N. Y.

ANALYTE Instruments, Inc., 15 Ward St., Bloomfield, N. J.

ATLAS Elec. Devices Co., 361 West Superior St., Chicago 10, Ill.

BLACK Rock Mfg. Co., 177 Osborne St., Bridgeport 5, Conn.

BRISTOL Company, Waterbury 91, Conn.

BROWN & SHARPE Mfg. Co., Providence, R. I.

CADY, E. J., & Co., 134 N. LaSalle St., Chicago 2

CAMBRIDGE Instrument Co., Inc., 3732 Grand Central Terminal, New York 17, N. Y.

★CHALLENGE Machinery Co., Grand Haven, Mich.

CHAMPLAIN Co., Inc., 636 Eleventh Ave., New York 18, N. Y.

COMMERCIAL Engraving Publishing Co., 34 N. Ritter Ave., Indianapolis, Ind.

CRAFTSMAN Line-Up Table Corp., 49 River St., Waltham 54, Mass.

DISSTON, Henry, & Sons, Inc., Tacomy, Philadelphia 23

DURANT Mfg. Co., Inc., 1979 N. Buffum St., Milwaukee 1, Wis.

DUST-LESS Equipment Co., 4021 19th St., N. E., Washington, D. C.

1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15 16 17 18 19 20 21 22
 23 24 25 26 27 28 29 30 31
★ELCO Typographic Service, Second & Dueber Sts., S. W., Canton 6, Ohio

GENERAL Electric Co., 1 River Rd., Schenectady 5

GLOGAU & Co., 1914 W. Birchwood, Chicago, Ill.

GOSS Printing Press Co., 1435 S. Paulina St., Chicago 8, Ill.

★HABERULE Co., 7 E. 42nd St., New York 17

★HOE, R., & Co., 910 E. 138th St., New York 54

HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.

LA MOTTE Chemical Prod. Co., Towson 4, Mo.

★LANSTON Monotype Machine Co., 24th & Locust St., Philadelphia 3, Pa.

LITHOGRAPHIC Technical Foundation, 131 E. 39th St., New York 16, N. Y.

★LOS ANGELES Type & Rule Co., 225½ E. Pico Blvd., Los Angeles, Calif.

LUFKIN Rule Co., Saginaw, Mich.

★MACBETH Arc Lamp Co., 141 Berkley St., Philadelphia, Pa.

MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.

★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 3, N. Y.

MINDEN Paper Gauge Co., 230 W. 41st St., New York 18, N. Y.

★MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N. Y.

NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis 15, Minn.

POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.

★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.

★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

SIZE Control Co., Div. American Gauge & Machine Co., 35 E. Wacker Drive, Chicago 1, Ill.

STEWART-Warner Corp., 1826 Diversey Pkwy., Chicago, Ill.

TABER Instrument Corp., 111 Goundry St., N. Tonawanda, N. Y.

TAYLOR, W. A., & Co., 7300 York Road, Baltimore

TESTING, Machines, Inc., 427 W. 42nd St., New York 18, N. Y.

THWING-Albert Instrument Co., Penn & Pulaski, Philadelphia 49, Pa.

TIME Saver Products Co., 44 Salina St., Pulaski, N. Y.

★TI-PI Co., 1000 Broadway, Kansas City 6, Mo.

TOLEDO Scale Co., Toledo, Ohio

TRIPLET Gauge, 1 Dover St., New York 7, N. Y.

★VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.

WALLIN Printers Supply, 309 S. 13th St., Omaha

WESTINGHOUSE Electric & Mfg. Co., East Pittsburgh, Pa.

WESTON Electrical Instrument Corp., 614 Feelinghuyzen Ave., Newark, N. J.

WILLIAMS, Brown & Earle, Inc., 918 Chestnut St., Philadelphia 7, Pa.

GRAINING MACHINE LININGS

AMERICAN Graded Sand Co., 2942 N. Ashland Ave., Chicago, Ill.
BROWN, W. A., Mfg. Co., 2035 Charleston St., Chicago 49

GRAINING MACHINES, OFFSET-LITHO PLATES

CONSOLIDATED Photo Engravers Equip. Co., 2155 W. Wabansia, Chicago 47, Ill.
★HOE, R., & Co., 910 E. 138th St., New York 54
McKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio
NAGAL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City, N. Y.
SENEFELDER Co., 32 Greene St., New York 13
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
ZARKIN Machine Co., Inc., 34-19 10 St., Long Island City 6, N. Y.

GRAINING SANDS AND QUARTZ

CARBORUNDUM Co., Niagara Falls, N. Y.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio
SENEFELDER Co., 32 Greene St., New York 13, N. Y.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

GRINDING, CUTTING, DRILLING, POLISHING AND BUFFING MACHINES

BLACK & Decker Mfg. Co., 760 Pennsylvania Ave., Towson 4, Md.
BOICE-CRANE Co., 930 Central Ave., Toledo 6, Ohio
CHICAGO Wheel & Manufacturing Co., 1101 W. Monroe St., Chicago, Ill.
★HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 54, Mich.
HANSON-Van Winkle-Munning, Matawan, New Jersey
RAYBESTOS-Manhattan, Inc., 61 Willet St., Passaic, N. J.
TARPLEY, Geo., Co., Box 2401, Cleveland 12, Ohio

GUILLOTINE CUTTERS, PHOTO-ENGRAVERS

DETROIT Edge Tool Co., 3425 Wright St., Detroit 7 Mich.
★DOUTHITT Corporation, 680 E. Fort St., Detroit
PHILLIPS & Jacobs, 622 Race St., Philadelphia
WESEL Manufacturing Co., 1141 N. Washington Ave., Scranton, Pa.

GUMMING, GLUING AND PASTING EQUIPMENT

1 Glue Pots and Kettles
 2 Gluing, Gumming, Pasting Machines
 3 Labeling
 4 Lining
 5 Mounting
 6 Paper Covering
 7 Stripping
 1 2 3 4 5 6 7
ACME Electric Heating Co., 1217 Washington St., Boston, Mass.
ALTAIR Machinery Corp., 55-57 Vandam St., New York, N. Y.
ANDERSON, C. F., & Sons, 3225 Calumet, Chicago
BLACK & Decker Mfg. Co., 760 Pennsylvania Ave., Towson 4, Md.
★BRACKETT Stripping Machine Co., 505 Jackson St., Topeka, Kan.
CHAMBERS Bros. Co., 52nd & Media St., Philadelphia, Pa.
DOEPEL, J. E., Co., 626 Race St., Philadelphia, Pa.
DURBROW & Hearne, 12 Wooster St., New York
G. B. C. Mfg. Co., 812 W. Belmont Ave., Chicago 14
GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Illinois
GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
GRAMMES, L. F., & Sons, Jordan & Union St., Allentown, Pa.
GUMMED Tape & Devices Co., 1318 Sixtieth St., Brooklyn, N. Y.
HANSON-Van Winkle-Munning Co., Matawan, N. J.

- 1 2 3 4 5 6 7
HIGH Production Machine Co., Inc., 533 N. 11th St., Philadelphia 23, Pa.
 2
HOLLINGSWORTH, William, Machinery Co., 227 Holliday St., Baltimore, Md.
 2
INSTANTANEOUS Glue Converter Co., 3752 Montgomery Ave., Cincinnati, Ohio
 1
INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.
 2
KLEEN-Stik Products, Inc., 2900 S. Michigan Ave., Chicago, Ill.
 2
LIBERTY Electric Co., Inc., 1915 Madison Ave., Indianapolis, Ind.
 2
MAYER Coating Machine Co., 520 Scottville Rd., Rochester, N. Y.
 2
★MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.
 2
MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.
 2
MULLER, Chas. A., Co., 153 Lafayette St., New York 13, N. Y.
 2
NEW Advance Machinery Co., 208 E. Central Ave., Van Wert, Ohio.
 1
NEW Jersey Machine Corp., 16th & Willow Ave., Hoboken, N. J.
 2 3 4 7
PARRY, S. R., Machine Co., 222 Mill St., Rochester, N. Y.
 1 3 4
PAYYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
 2 3 5 7
PLEGER, John J., Co., 613 W. 13th St., Chicago 16, Ill.
 1 2 3 4 5 6 7
POTDEVIN Machine Co., 1221 38th St., Brooklyn 18
 1 2 3 4 5 6 7
ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.
 2
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N. Y.
 2
SPECIALTY Automatic Machine Co., 88 Gerrish Ave., Chelsea 50, Mass.
 2
STAUDE, E. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.
 2
STA-Warm Electric Co., Ravenna, Ohio
 2
STOKES & Smith Co., Frankford Ave., Philadelphia
 2
U. S. AUTOMATIC Box Machinery Co., 18 Arbor-etum St., Boston, Mass.
 2
UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.
 2
WALDRON, John, Corp., New Brunswick, N. J.



HEADBINDING MACHINES, BOOK-BINDER'S

FULLER, E. C., Co., 28 Reade St., New York 7, N. Y.
 SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.

HEATERS, SHEET and WEB DRYERS

- 1 Gas
 2 Electric
 3 Lamps, Infra Red
 4 Ovens
 5 Unit, Industrial
 6 Web Dryers
 1 2 3 4 5 6
ACME Electric Heating Co., 1217 Washington St., Boston 18, Mass.
 1 2
ACME Printing Appliance Co., 542 S. Dearborn St., Chicago 5, Ill.
 1 2
ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
 2
★BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.
 1 2
★BRANDTJEN & Kluge, Inc., Gaultier at Como Ave., St. Paul 3, Minn.
 2
CARRIER Corp., South Geddes St., Syracuse 1, N. Y.
 5
CRAIG Corp., 143 W. 20th St., New York, N. Y.
 1
CRONITE Co., 35 Park Pl., New York 7, N. Y.
 1 2 3
★DOYLE, J. E., Co., 1220 W. Sixth St., Cleveland
 1 2 3 4 5 6
FOSTORIA Pressed Steel Corp., Fostoria, Ohio
 3 4 6

- 1 2 3 4 5 6
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.
 1 2
GENERAL Electric Co., 1 River Road, Schenectady 5
 2 3 4 5
HERBERT Products Inc., 74-32 Jamaica Ave., Wood-haven 21, N. Y.
 1 2
HOLLINGSWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore 2, Md.
 6
LANCE, Chester L., Co., 620 Browder St., Dallas 1
 1
MARSHALL Son & Wheelock, Inc., 82 Lincoln St., Boston 11, Mass.
 2
MURRAY, D. J., Manufacturing Co., 1002-1024 Third St., Wausau, Wis.
 5
NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis, Minn.
 2
RATHBUN & Bird Co., 379 W. Broadway, New York 12, N. Y.
 1
SELAS Corporation, Erie Ave. & D. St., Philadelphia
 4 5 6
STATIC Eliminator and Printing Press Heater Co., 239 Centre St., New York 13, N. Y.
 2
TRANE Co., La Crosse, Wis.
 3
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
 5

HEATING, VENTILATING SYSTEMS

- BAHNSON Co.**, The, 1001 S. Marshall St., Win-ston-Salem, N. C.
GENERAL Electric Co., 1 River Rd., Schenectady 5
MERCHANTS & Evans Co., 2035 Washington Ave., Philadelphia 46, Pa.
TRANE Co., La Crosse, Wis.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

HINGED PAPER COVERING MACHINE

- PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.

HOISTS, PAPER ROLL, HAND AND ELECTRIC

- GOSS Printing Press Co.**, 1535 S. Paulina St., Chi-cago 8, Ill.
LEWIS-Shepard Products, Inc., 239 Walnut St., Waver-ton 72, Mass.
REVOLVATOR Co., 86th & Tonnelle Ave., North Bergen, N. J.
RICHARDS-Wilcox Manufacturing Co., 176 Third St., Aurora, Ill.
SHAW Box, Crane & Hoist Div., Manning, Maxwell & Moore, Inc., Muskegon, Mich.
YALE & Towne Manufacturing Co., 4530 Tacony, Philadelphia, Pa.

HUMIDORS, MATRIX, STEREOTYPE

- NOLAN Machinery Corp.**, 1333 E. Dominick St., Rome, N. Y.
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.
WESEL Manufacturing Co., 1141 N. Washington Ave., Scranton, Pa.



IMAGE REVERSERS, STRAIGHT LINE

- HUEBNER Laboratories**, 102 N. Mamaroneck, Mamar-oneck, N. Y.

IMAGE REVERSING LENSES, STRAIGHT LINE

- HUEBNER Laboratories**, 102 N. Mamaroneck, Mamar-oneck, N. Y.

IMPRESSION LEAD, ELECTRO-TYPERS'

- ★BLATCHFORD Division National Lead Co.**, 111 Broadway, New York, N. Y.
REYNOLDS Metals Co., 2500 S. Third St., Louis-ville, Ky.

INDEX CUTTING MACHINES

- ★LAWSON, E. P., Co., Inc.**, 426 W. 33d St., New York 1, N. Y.
MARCY, G. D., 8 Lakewood Rd., Newton Highlands 61, Mass.
MULLER, Chas. A., Co., 153 Lafayette St., New York 13, N. Y.
NYGREN-Dahly Co., 1422 W. Altgeld St., Chicago, Ill.
SOUTHWORTH Machine Co., Inc., 30 Warren Ave., Portland, Me.

INDEX TABS

- AIGNER, G. J., Co.**, 426 S. Clinton St., Chicago 7
BURKHARDT Company, 547 W. Larned St., Detroit
★DENNISON Manufacturing Co., Framingham, Mass.
ELBE File & Binder Co., 649 Alden St., Fall River, Mass.
MELIND, Louis, Company, 362 W. Chicago Ave., Chicago 10, Ill.
SPEED Products Co., 37-18 Northern Blvd., Long Island City, N. Y.
WILSON-Jones Co., 3300 W. Franklin Blvd., Chi-cago, Ill.

INK MEASURING MACHINES

- LITHOGRAPHIC Technical Foundation**, 131 E. 39th St., New York 16, N. Y.

INK MILLS, MIXING MACHINES

- DAY, J. H., Co., The**, 1144 Harrison Ave., Cincinnati
EXCELLO Machine Co., 1615 College Ave., S. E., Grand Rapids 7, Mich.
KENT Machine Works, Inc., 37 Gold St., Brooklyn
LEHMANN, J. M., Co., Inc., 550 New York Ave., Lyndhurst, N. J.
READ Machinery Div. Standard Stoker Co., Inc.,
ROSS, Charles, & Son Co., 148 Classon Ave., Brook-lyn, N. Y.

INK PANS AND BULBS, RULING MACHINE

- HICKOK, W. O., Manufacturing Co.**, Box 423, Har-risburg, Pa.
★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.

INK SKINNING, ANTI, COMPOUND

- ANCHOR Chemical Co., Inc.**, 829 Bergen St., Brook-lyn 16, N. Y.
BRADEN-Sutphin Ink Co., 3800 Chester Ave., Cleve-land 14, Ohio
BRAZNELL Co., 2227 Walnut, St. Louis 3, Mo.
★INTERNATIONAL Printing Ink, 67 W. 44th St., New York 1, N. Y.
MONOGRAM Co., 150-152 N. Fifth St., Philadelphia
ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York, N. Y.
TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.
ULLMAN, Sigmund, Co., Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.

INK TANKS

- GOSS Printing Press Co.**, 1535 S. Paulina St., Chi-cago 8, Ill.
★HOE, R. & Co., Inc., 910 E. 138th St., New York 54, N. Y.
ROSS, Charles, & Son, Co., 148-156 Classon Ave., Brooklyn, N. Y.

INKED RIBBONS

- ADDRESSOGRAPH-Multigraph Corp.**, 1200 Babbitt Rd., Cleveland, Ohio
MITTAG & Volber, Inc., 76 Park Ave., Park Ridge, N. J.
★ROBERTS Numbering Machine Co., 700 Jamaica Ave., Brooklyn 8, N. Y.
UNDERWOOD Corp., 1 Park Ave., New York 16

INK-ADJUSTING COMPOUNDS

- ACME Printing Ink Co.**, 1419 W. Carroll, Chicago, Ill.
AMERICAN Printing Ink, Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill.
ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
ARTCO Printing Ink Corp., 1715 W. Canal St., Mil-waukee 3, Wis.
ARTCRAFT Ink Co., 340 St. Joseph St., New Or-leans, La.
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleve-land 14, Ohio
BARTA-Griffin Co., 72 Commercial St., Worcester 1, Mass.
BOWERS Printing Ink Co., 711 W. Lake, Chicago 6
BRAZNELL Co., 2227 Walnut, St. Louis 3, Mo.
BUCKEYE Printing Ink Co., 480 S. Pearl St., Colum-bus 15, Ohio
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
CAMDEN Ink & Color Co., 1001 Market St., Cam-den, N. J.
★CENTRAL Compounding Co., 1718 N. Damen Ave., Chicago 47, Ill.
CHEMICAL Color & Supply Co., Div. Sun Chemical Co., 2820 W. Grand Ave., Chicago, Ill.
CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
EAGLE Printing Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
FINNE-DETRICK, Inc., 147 W. 42nd St., New York 13, N. Y.
FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.

WHEN WRITING SUPPLY FIRMS KINDLY INDENT

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 Co.
 ★SIEB
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 TRIAN
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 DRISCO
 EAGLE
 10th
 FINNE
 FLINT
 Detro
 FUCHS
 10th
 ★GAET
 Brook
 GENER
 10th
 HELLM
 18th
 HERRI
 R. R.
 HILL-F
 HUBER
 India
 INK &
 ★JOHN
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 ULLMA
 44th A
 WILSON
 Long I
 WINSLO

HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
 HUBER, J. M., Inc., 620 62nd St., Brooklyn, N. Y.
 INCO Co., 1051 Power Ave., Cleveland, Ohio
 INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 4, Ind.
 INK & Chemical Co., 507 Fifth Ave., New York 17
 ★INTERNATIONAL Printing Ink, 67 W. 44th St., New York 18, N. Y.
 JOHNSON, Charles Ensu, & Co., 10th & Lombard Sts., Philadelphia 47, Pa.
 KELLY, E. J., Co., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 13F, Mich.
 KOHL & Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
 LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New York 17, N. Y.
 MCCUTCHEON Bros. & Quality, Inc., 1130 Callowhill St., Philadelphia, Pa.
 MEINERS, Bernhard, Inc., 22 Albany, New York 6
 MESEROLE, Edward D., Co., 245 7th Ave., New York, N. Y.
 ROBERTS, Lewis, Co., 72 Union St., Newark 5, N. J.
 ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
 SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.
 SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Ill.
 SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.
 TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.
 ULLMAN, Sigmund, Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.

INK DRIERS

ACME Printing Ink Co., 1419 W. Carroll, Chicago
 AMERICAN Printing Ink Co., Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill.
 ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
 ARTCO Printing Ink Corp., 1715 W. Canal St., Milwaukee 3, Wis.
 ARTCRAFT Ink Co., Inc., 340 St. Joseph St., New Orleans, La.
 BOWERS Printing Ink Co., 711 W. Lake, Chicago 6
 BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
 BRAZNEILL Company, 2227 Walnut, St. Louis 3
 CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
 CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 Grand Ave., Chicago, Ill.
 CONSOLIDATED Printing Ink Co., 431 N. Griggs St., St. Paul 4, Minn.
 CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
 DRISCOLL, Martin, & Co., 610 Federal St., Chicago
 EAGLE Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 FINNE-Detrick, Inc., 147 W. 42nd St., New York 18
 FLINT, Howard, Ink Co., Clark Ave. & M. C. R. R., Detroit 9, Michigan
 FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 ★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.
 GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 HELLMUTH, Charles, Printing Ink Corp., 154 W. 18th St., New York 11, N. Y.
 HERRICK, Wm. C., Inc., Ink Co., Maple St. & Erie R. R., East Rutherford, N. J.
 HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
 HUBER, J. M., Inc., 620 62nd St., Brooklyn, N. Y.
 INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 4, Ind.
 INK & Chemical Co., Inc., 507 Fifth Ave., New York
 JOHNSON, Charles Ensu & Co., 10th & Lombard Sts., Philadelphia 47, Pa.
 KELLY, E. J., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
 KOHL & Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
 LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New York 17, N. Y.
 MCCUTCHEON Bros. & Quality, Inc., 1130 Callowhill St., Philadelphia, Pa.
 MEINERS, Bernhard, Inc., 22 Albany, New York 6
 MESEROLE, Edward D., Co., 245 7th Ave., New York, N. Y.
 MORRILL, Geo. H., Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 OKIE, F. G., Inc., 5916 State Rd., Philadelphia
 ROBERTS, Lewis, Inc., 72 Union St., Newark 5
 ROOSEN, H. D., Co., Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
 SENEFIELDER Co., 32 Greene St., New York 12
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
 SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.
 SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Ill.
 SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.
 TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.
 ULLMAN, Sigmund, Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.
 WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N. Y.
 WINSLOW Ink Corp., 110 Greene St., New York

INK, DRY COLORS

CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
 EAGLE Printing Ink, General Printing Ink Div., Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 INK & Chemical Co., 507 Fifth Ave., New York 17
 JOHNSON, Charles Ensu, & Co., 10th & Lombard Sts., Philadelphia 47, Pa.
 MONSANTO Chemical Co., Pigments Dept., Sun Chemical Corp., 309 Sussex St., Harrison, N. J.
 ROOSEN, H. D., Co., Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
 SENEFIELDER Co., 32 Greene St., New York 12
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
 SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

INK PASTE

AMERICAN Printing Ink, Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill.
 BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland, Ohio
 CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.
 EAGLE Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 ROBERTS, Lewis, Inc., 72 Union St., Newark 5
 ULLMAN, Sigmund, Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.

INK REDUCERS

(See Ink-Adjusting Compounds)

INK SIZES

AMERICAN Printing Ink, Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill.
 BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland, Ohio
 CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.
 EAGLE Printing Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 KELLY, E. J., Co., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 13F, Mich.
 ROBERTS, Lewis, Inc., 72 Union St., Newark 5
 ULLMAN, Sigmund, Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.

INKS—SPECIAL

1	Anilin
2	Bread Wrapper
3	Bronze, Dry
4	Carbonizing (also Spot)
5	Carton, Paper Box
6	Cellulose Tissue Ink
7	Cold-Set
8	Color Comic
9	Decalcomania
10	Duplicator Inks
11	Film—Staging, Topping, etc.
12	Fluorescent
13	Food-Mark
14	Hectograph
15	Indelible for Stencil Marking
16	Invisible
17	Metal Decorating
18	Numbering Machine
19	Opacuing, Photo Film
20	Parchment (Hot Wax)
21	Perfumed
22	Pigments, Aluminum
23	Pyroplastic (Rubber Base)
24	Soap Wrapper
25	Special Purpose
26	Steam Set
27	Stereotype Casting
28	Transfer
29	Water Color
30	Water-Set
31	Watermark

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

ACME Printing Ink Co., 1419 W. Carroll, Chicago

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland, Ohio

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

ALUMINUM Co. of America, 801 Gulf Bldg., Pittsburgh 19, Pa.

★AMERICAN Numbering Machine Co., Atlantic & Shepherd Aves., Brooklyn 8, N. Y.

AMERICAN Printing Ink, Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

ARTCO Printing Ink Corp., 1715 W. Canal St., Milwaukee 3, Wis.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

ARTCRAFT Ink Co., Inc., 340 St. Joseph St., New Orleans, La.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

BAER Bros., 438 W. 37th St., New York City 18

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

BARTA-Griffin Co., 72 Commercial St., Worcester 1

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

BEN DAY, Inc., 118 E. 28th St., New York City 16, New York

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

BENSING Bros. & Deeney, 3301 Hunting Park Ave., Philadelphia 32, Pa.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

BOTH, O. A., Corporation, 114 Pearl St., Boston

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

BOWERS Printing Ink Co., 711 W. Lake St., Chicago 6, Ill.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

BRAZNEILL Co., 2227 Walnut Street, St. Louis 3

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

BROWN Lindsay Paint Co., 2601 W. Grand Ave., Chicago 12, Ill.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

BUCKEYE Printing Ink Co., 480 S. Pearl St., Columbus 15, Ohio

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

CAPITOL Printing Ink Co., 821 Third St., Des Moines 1, Iowa

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

CARLSON, John P., Inc., 420 Carroll St., Brooklyn 2

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

CHICAGO Printing Ink Co., 205 W. Wacker Drive, Chicago 6, Ill.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

CONSOLIDATED Printing Ink Co., 481 N. Griggs St., St. Paul 4, Minn.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

★CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

CROWE Printing Ink Co., 724 N. 34th St., Philadelphia 2

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

DRISCOLL, Martin, & Co., 610 Federal St., Chicago 5, Ill.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

EAGLE Printing Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

FINNE-Detrick, Inc., 147 W. 42nd St., New York 18

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

FLINT, Howard, Ink Co., Clark Ave. & M. C. R. R., Detroit 9, Mich.

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

★FORCE, Wm. A., & Co., Inc., 216 Nichols Ave., Brooklyn 8, N. Y.

1	2	3	4	5	6	7	8	9	10	11
12	13									

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
GOTHAM Ink & Color Co., 5-19 47th Ave., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
GUTHRIE Ceramic & Labelling Machine Co., 424 Pitt St., Windsor, Ontario, Can.
23 24 25 26 27 28 29 30 31
HELMUTH, Charles, Printing Ink Corp., 154 W. 18th St., New York 11, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
HERRICK, Wm. C., Ink Co., Inc., Maple St. & Erie R. R., East Rutherford, N. J.
1 2 3 4 5 6 7 8 9 10 11
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
1 2 3 4 5 6 7 8 9 10 11
HILL-Hentschel Company, 3928 Clayton Ave., St. Louis 10, Mo.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
HUBER Corp., J. M., 620 62nd St., Brooklyn 20, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
ILLINOIS Bronze Powder Co., Inc., 2023 S. Clark St., Chicago 16, Ill.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
INCO Company, 1051 Power Ave., Cleveland 14, O.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
INK & Chemical Co., Inc., 507 Fifth Ave., New York 17, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
★INTERNATIONAL Printing Ink Corp., 67 W. 44th St., New York 18, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
JOHNSON, Charles Eneu, Co., 10th & Lombard Sts., Philadelphia 47, Pa.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
KELLY, E. J., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New York 17, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
MCCUTCHEON Bros. & Quality, Inc., 1130 Calowhill St., Philadelphia, Pa.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
MEINERS, Bernhard, Inc., 22 Albany St., New York 6, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
MELIND, Louis, Company, 362 W. Chicago Ave., Chicago 10, Ill.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
MITTAG & Volger, Inc., 76 Park Ave., Park Ridge, N. J.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
MORRILL, Geo. H., Co., Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
OHIO Bronze Powder Co., 1120 E. 152d St., Cleveland 10, Ohio
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
OHIO Ink Laboratories, 308 Main St., Cincinnati 2
OKIE, F. G., Inc., 5916 State Rd., Philadelphia
OLSEN Mark Corp., 124 White St., New York 13
PAPERLESS Labellers, Inc., 304 N. Columbus St., Lancaster, Ohio
23 24 25 26 27 28 29 30 31
PAYSON'S Indelible Ink Co., Northampton, Mass.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
PEERLESS Roll Leaf Co., 4511 New York Ave., Union City, N. J.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
POPE & Gray, Inc., 95 Morton St., New York 14, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
REDIMAT Co., St. Petersburg, Fla.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
★ROBERTS Numbering Machine Co., 694 Jamaica Ave., Brooklyn 8, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
ROOSEN, H. D., Co., Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
SCHWARM & Jacobus Co., 1216 Jackson St., Cincinnati 10, Ohio
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
SINCLAIR and Valentine Co., 611 W. 129th St., New York 17, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
SLEIGHT Metallic Ink Co., 900 S. Clinton, Chicago
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
STAFFORD, S. S., Inc., 609 Washington St., New York 14, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
STOKES, A., Co., Hudson, Ohio
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
ULLMAN, Sigmund, Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22

INKS—STANDARD

1 Color Process
2 Engravers
3 Gloss
4 Gravure
5 Half-tone
6 Heat-Set
7 Letterpress
8 Metallic
9 Offset-Lithographic
10 Plate Printing
11 Rotary Press, News
12 Ruling
13 Safety (Bank Note)
14 Dull
15 Newspaper
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
ACME Printing Ink Co., 1419 W. Carroll, Chicago
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Road, Cleveland, Ohio
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
AMERICAN Printing Ink Co., Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
ARTCO Printing Ink Corp., 1715 W. Canal St., Milwaukee 3, Wis.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
ARTCRAFT Ink Co., Inc., 340 St. Joseph St., New Orleans 19, La.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
BAER Bros., 438 W. 37th St., New York 18, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
BARTA-Griffin Co., 72 Commercial St., Worcester 1, Mass.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
BEN DAY, Inc., 118 E. 28th St., New York 16, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
BENSING Bros. & Deeney, 3301 Hunting Park Ave., Philadelphia 32, Pa.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
BOTH, O. A., Corp., 114 Pearl St., Boston, Mass.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
BOWERS Printing Ink Co., 711 W. Lake, Chicago 6
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
BRAZNELL Co., Inc., 2227 Walnut St., St. Louis 3
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
BUCKEY Printing Ink Co., 480 S. Pearl St., Columbus 15, Ohio
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
C. E. B. Printing Ink Co., 817 W. Washington Blvd., Chicago 7, Ill.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
CAPITOL Printing Ink Co., 821 Third St., Des Moines 1, Iowa
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
CARLSON, John P., Inc., 420 Carroll St., Brooklyn 1
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
CARMICHAEL Printing Ink Co., 168 Forsyth St., W. Atlanta 3, Ga.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
CHICAGO Printing Ink Co., 205 W. Wacker Drive, Chicago 6, Ill.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
CONSOLIDATED Printing Ink Co., 431 N. Griggs St., St. Paul 4, Minn.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
CRONITE Company, 35 Park Place, New York 7
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
CROWE Printing Ink Co., 724 N. Third St., Philadelphia 23, Pa.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
DREDGE, A., Ruling Pen Co., 350 W. 31st St., New York 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
DRISCOLL, Martin, & Co., 610 Federal St., Chicago 7
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
EAGLE Printing Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
FAUST, Rudolph, 628-632 Degraw St., Brooklyn 17
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
FINNE-Detrick, Inc., 147 W. 42nd St., New York 18
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
FLINT, Howard, Ink Co., Clark Ave. & M. C. R. R., Detroit 9, Mich.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
FUCHS & Lang, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
GOTHAM Ink & Color Co., 5-19 47th St., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
GRADY & Neary Ink Co., 429 W. Superior St., Chicago, Ill.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
HELMUTH, Charles, Printing Ink Corp., 154 W. 18th St., New York 11, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
HERRICK, Wm. C., Ink Co., Maple St. & Erie R. R., Rutherford, N. J.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
HUBER, J. M., Corp., 620 62nd St., Brooklyn, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
ILLINOIS Bronze Powder Co., Inc., 2023 S. Clark St., Chicago 16, Ill.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
INCO Company, 1051 Power Ave., Cleveland 14
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
INK & Chemical Co., 507 Fifth Ave., New York 17
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
★INTERNATIONAL Printing Ink Corp., 67 W. 44th St., New York 18, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
JOHNSON, Charles Eneu, Co., Inc., 10th & Lombard Sts., Philadelphia 47, Pa.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
KELLY, E. J., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
KOHL and Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New York 17, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
LITHOMAT Corp., 58 Charles St., Cambridge, Mass.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
MANUFACTURERS Printing Ink Corp., 1 Main St., Brooklyn 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
MARKEM Machine Co., Keene, N. H.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
MC CUTCHEON Bros. & Quality, Inc., 1130 Callowhill St., Philadelphia, Pa.
2 3 4 5 6 7 8 9 10
MEINERS, Bernhard, Inc., 22 Albany, New York 6
MEYER, E. W., Co., 407 E. Michigan St., Milwaukee, Wis.
8
MORRILL, Geo. H., Co., Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
OHIO Ink Laboratories, 308 Main St., Cincinnati 2
1 2 3 4 5 6 7 8 9 10 11
OKIE, F. G., Inc., 5916 State Rd., Philadelphia, Pa.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
PACIFIC Coast Div. Sun Chemical Corp., 1425 Folsom St., San Francisco 3, Cal.
1 2 3 4 5 6 7 8 9 10 11
PEK, James L., 47 High St., West Orange, N. J.
8
POPE & Gray, Inc., 95 Morton St., New York 14
1 2 3 4 5 6 7 8 9 10 11
ROBERTS, Lewis, Inc., 72 Union St., Newark 5
12 13 14 15
ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
SCHWARM & Jacobus Co., 1216 Jackson St., Cincinnati 10, Ohio
1 2 3 4 5 6 7 8 9 10 11
SENEFELDER Company, Inc., 32 Greene St., New York 13, N. Y.
1 2 3 4 5 6 7 8 9 10 11
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
SINCLAIR and Valentine Co., 611 W. 129th St., New York 17, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Ill.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
STEEL City Printing Ink Co., 281 Corliss St., Pittsburgh 20, Pa.
1 2 3 4 5 6 7 8 9 10 11
STOKES, A., Co., Hudson, Ohio
8
SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.
1 2 3 4 5 6 7 8 9 10 11
TRIANGLE Ink & Color Co., 305 E. 45th St., New York 17, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
ULLMAN, Sigmund, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
WHALEY'S Metallic Powders, Freistatt, Mo.
8
WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N. Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
WINSLOW Ink Corp., 110 Greene St., New York 7

INK VARNISHES AND LACQUER

1 Lacquer
2 Varnish
1 2
ACME Printing Ink Co., 1419 W. Carroll, Chicago, Ill.
2
ALLIED Finishing Specialties Co., 2610 W. Grand Ave., Chicago 12, Ill.
1
AMERICAN Printing Ink Co., Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill.
2
ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
2
ARTCRAFT Ink Co., Inc., 340 St. Joseph St., New Orleans 19, La.
2
BAER Bros., 438 W. 37th St., New York 18, N. Y.
2
BOWERS Printing Ink Co., 711 W. Lake St., Chicago 6, Ill.
2
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
2
BRAZNELL Co., Inc., 2227 Walnut St., St. Louis 3
2
BUCKEYE Printing Ink Co., 480 S. Pearl St., Columbus 15, Ohio
2
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
2
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.
2

1 2
CHICAGO Printing Ink Co., 205 W. Wacker Drive, Chicago 6, Ill.
2
CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
2
DRISCOLL, Martin, & Co., 610 Federal St., Chicago 2
2
DU PONT, E. I., de Nemours & Co., Wilmington, Del.
1 2
EAGLE Printing Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
2
FINNE-Detrick, Inc., 147 W. 42nd, New York 18
2
FLINT, Howard, Ink Co., Clark Ave. & MCRR, Detroit 9, Mich.
2
FUCHS & Lang, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
2
★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.
2
GOTHAM Ink & Color Co., 5-19 47th St., Long Island City 1, N. Y.
1
HELLMUTH, Charles, Printing Ink Corp., 154 W. 18th St., New York 11, N. Y.
2
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
2
HILO Varnish Corp., 56 Stewart Ave., Brooklyn 6
1 2
HUBER, J. M., Corp., 620 62nd St., Brooklyn 20
2
ILLINOIS Bronze Powder Co., Inc., 2023 S. Clark St., Chicago 16, Ill.
2
INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 25, Ind.
2
INK & Chemical Co., 507 Fifth Ave., New York 17
2
★INTERNATIONAL Printing Ink Corp., 67 W. 44th St., New York, N. Y.
1 2
JOHNSON, Chas. Eneu, & Co., 10th & Lombard Sts., Philadelphia 47, Pa.
2
KELLY, E. J., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
2
KOHL and Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
2
LEVEY, Fredk. H., Co., Inc., 41 E. 42d St., New York 17, N. Y.
2
MC CUTCHEON Bros. & Quality, Inc., 1130 Callowhill St., Philadelphia, Pa.
1 2
MEINERS, Bernhard, Inc., 22 Albany, New York 6
2
MONSANTO Chemical Co., Merrimac Div., Everett 49, Mass.
2
MORRILL, Geo. H., Co., Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.
2
OKIE, F. G., Inc., 5916 State Rd., Philadelphia, Pa.
2
PECK James L., 47 High St., West Orange, N. J.
2
POPE & Gray, Inc., 95 Morton St., New York 14, N. Y.
2
ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
2
ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N. Y.
2
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
2
SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.
1 2
SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Ill.
2
SUN Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.
2
SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N. Y.
2
ULLMAN, Sigmund, Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N. Y.
2
WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N. Y.
2
WINSLOW Ink Corp., 110 Greene St., New York 7
2
INSERTING MACHINES
BARKLEY & Dexter, 528 Commonwealth Ave., Boston 15, Mass.
CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.
★DEXTER Folder Co., Pearl River, N. Y.
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.

J

JIG SAWS, DRILLING MACHINES

BOICE-Crane Co., 930 W. Central Ave., Toledo 6, Ohio
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
MILWAUKEE Saw Trimmer Corp., 612 E. Clybourn St., Milwaukee 2, Wis.
MORRISON Co., 125 W. Melvina St., Milwaukee, Wis.
PIONEER Toledo Corp., 1212 Jackson St., Toledo, Ohio
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
ROYLE, John, & Sons, 10 Essex St., Paterson 3, New Jersey
WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

JOGGING MACHINES

ABRAMS, M. L., Co., 1729 Superior Ave., N. E., Cleveland, Ohio
AMERICAN Printing Machinery Co., Inc., 63 Park Row, New York 7, N. Y.
BRACKETT Stripping Machine Co., 505 Jackson St., Topeka, Kan.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N. Y.
MACK Specialties Co., 18 E. Fourth St., Cincinnati 2
MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.
NATIONAL Electronics, Inc., 628 North St., Geneva, Ill.
SOUTHWORTH Machine Co., 30 Warren Ave., Portland 5, Me.
★SYNTRON Company, 575 Lexington Ave., Homer City, Pa.
UNIVERSAL Jogger Co., 1627 Washington Ave., Minneapolis, Minn.

K

KNIVES, INK

FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
LAMSON & Goodnow Mfg. Co., Shelbourne Falls, Mass.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, New York

KNIVES, MAKEREADY, OVERLAY

CRONITE Co., Inc., 35 Park Place, New York 7
★HOE, R., & Co., 910 E. 138th St., New York 54
LAMSON & Goodnow Mfg. Co., Shelbourne Falls, Mass.
NAZ-DAR Company, 469 Milwaukee Ave., Chicago 10
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
STANLEY Electric Tools, New Britain, Conn.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

KODACHROME FILM CLEANER

MERIX Chemical Co., 1021 E. 55th St., Chicago
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia 7, Pa.

L

LABELING MACHINES

GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
GUMMED Tape & Devices Co., 1318 Sixth St., Brooklyn, N. Y.
HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N. Y.
KNOWLTON, M. D., Co., 47 Clarissa St., Rochester, N. Y.
MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.
NEW Jersey Machine Corp., 15th St. & Willow Ave., Hoboken, N. J.
★POTDEVIN Machine Co., Inc., 1226 38th St., Brooklyn 18, N. Y.
REDINGTON, F. B., Co., 112 S. Sangamon St., Chicago, Ill.
STOKES & Smith Co., Frankford Ave., Philadelphia

LACQUER SPRAYING EQUIPMENT (See Bordering, Etc.)

LAMINATING MACHINES

CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.
 HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City, N. Y.
 HUDSON-Sharp Machine Co., Green Bay, Wis.
 INTA-ROTO Machine Co., Inc., R. F. D. 6, Box 45, Richmond, Va.
 KNOWLTON, M. D., Co., 47 Clarissa St., Rochester, N. Y.
 KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Ill.
 MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston
 PARRY, Samuel R., Machine Co., 222 Mill St., Rochester, N. Y.
 ★POTDEVIN Machine Co., 1226 38th St., Brooklyn 18, N. Y.
 ROTOGRAVURE Engineering Corp., Subsidiary Miller Printing Mch. Co., Empire State Bldg., New York 1, N. Y.
 STAUBE E. G., Mfg. Co., 2675 University Ave., St. Paul, Minn.
 WALDRON, John, Corp., New Brunswick, N. J.

LAYOUT, POSITIONING PAPER

★HAMILTON Mfg. Co., Two Rivers, Wis.
 KEUFFEL & Esser Company, 300 Adams St., Hoboken, N. J.
 RULUX Type Corp., 127 W. Harrison, Chicago, Ill.

LENS CLEANER

★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Mich.
 ★EASTMAN Kodak Co., Rochester 4, N. Y.
 MALLINCKRODT Chemical Works, 2nd & Mallinckrodt Sts., St. Louis 7, Mo.
 MERIX Chemical Co., 1021 E. 55th St., Chicago 15, Ill.
 PHILLIPS & Jacobs, 622 Race St., Philadelphia
 ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

LENSES, MIRRORS, PRISMS

BACHE, Semon, & Co., 636 Greenwich St., New York 14, N. Y.
 BAUSCH & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
 BRIDGEPORT Engravers Supply Co., 30G Rand St., Bridgeport 2, Conn.
 ★CHEMCO Photoproducts Company, New St., Glen Cove, N. Y.
 ★DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Mich.
 ★EASTMAN Kodak Co., Rochester 4, N. Y.
 GENERAL Scientific Corp., 5151 W. 65th St., Chicago, Ill.
 GOERZ American Optical Co., 317 E. 34th St., New York 16, N. Y.
 ★ROBERTSON, R. R., 3069 N. Elston Ave., Chicago
 SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.
 WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.
 ZARKIN Machine Co., 34-19 10th St., Long Island City 6, N. Y.

LIFTS, PAPER

1 Feeder Lifts
 2 Automatic Skid
 BERRY Machine Co., 716 N. First St., St. Louis, Mo.
 RATHBUN & Bird Co., 379 W. Broadway, New York 12, N. Y.
 1 REVOLVATOR Co., 86th & Tonelle Ave., North Bergen, N. J.
 ★SOUTHWORTH Machine Co., 30 Warren Ave., Portland Maine
 2

LIGHTING UNITS

ANALYTE Instruments, Inc., 15 Ward St., Bloomfield, N. J.
 BEATTIE Process Camera Corp., 210 Fulton St., New York 8, N. Y.
 BENJAMIN Electric Mfg. Company, Des Plaines, Ill.
 CURTIS Lighting, Inc., 6135 W. 65th St., Chicago 38
 FOSTORIA Pressed Steel Corp., Fostoria, Ohio
 FRINK Corporation, The, 27-01 Bridge Plaza No., Long Island City, N. Y.
 GENERAL Electric Co., Nela Park, Cleveland 12, Ohio
 MACBETH Daylighting Co., 227 W. 17th St., New York 11, N. Y.
 ★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
 MILLER Company, 99 Center, Meriden, Conn.
 SYLVANIA Electric Products Inc., 500 Fifth Ave., New York 18, N. Y.
 WESTINGHOUSE Electric & Mfg. Co., East Pittsburgh, Pa.

LOCKUP, PLATE, INSTANTANEOUS

SPEEDY Machinery Co., Hotel Vereen, Miami 35, Fla.

**LOOPING MACHINES
(See Tag Machinery)****LOOSE-LEAF BINDERS, PARTS, INDEXES AND SYSTEMS**

AIGNER, F. J., Company, 426 S. Clinton St., Chicago 7, Ill.
 BROCK & RANKIN, 619 S. La Salle St., Chicago 5, Ill.
 BUCHAN Loose Leaf Records Co., 420 S. Penn St., Clifton Heights, Pa.
 BURKHARDT Company, 547 W. Larned St., Detroit
 ELBE File & Binder Co., 649 Alden, Fall River, Mass.
 ELLINGSWORTH Mfg. Co., 200 S. Peoria St., Chicago 7, Ill.
 FLEX-O-Coil Products Co., 847 W. Washington Blvd., Los Angeles 15, Calif.
 ★GENERAL Binding Corporation, 812 W. Belmont Ave., Chicago 14, Ill.
 GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
 HEINN Company, 326 W. Florida St., Milwaukee, 4
 LEFAX Inc., 9th & Sansom Sts., Philadelphia 7, Pa.
 NATIONAL Blank Book Co., Holyoke, Mass.
 NELSON-Krause Loose Leaf Co., 224 W. Superior St., Chicago 16, Ill.
 REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N. Y.
 SHEPPARD, C. E., Co., 4401 21st St., Long Island City 1, N. Y.
 SMITH, S. K., Company, 2857 N. Western Ave., Chicago 18, Ill.
 SPEED Products Co., 37-18 Northern Blvd., Long Island City 1, N. Y.
 TENACITY Mfg. Co., The, Lockland, Cincinnati 15
 TRUSSEL Mfg. Co., Inc., 190 Cottage Street, Poughkeepsie, N. Y.
 WILSON-Jones Co., 3300 Franklin Blvd., Chicago 24, Ill.

LUBRICANTS, OILS, GREASES

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
 COOK'S Adam, Sons, Inc., 5 N. Stiles St., Linden, N. J.
 FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.
 FISKE Brothers Refining Co., Lubriplate Div., 129 Lockwood St., Newark 3, N. J.
 GULF Oil Corporation, Gulf Building, Pittsburgh 30
 ★LUDLOW Typograph Co., 2032 Cleybourne Ave., Chicago 14, Ill.
 MITTAG & Volger, Inc., Park Ridge, N. J.
 PECK, James I., 47 High St., West Orange, N. J.
 PURE Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
 SUPERIOR Flake Graphite Co., 33 S. Clark St., Chicago 3, Ill.

LUBRICATING EQUIPMENT

BIJUR Lubricating Corp., 43-01 22nd St., Long Island City 1, N. Y.
 BOWSER, Inc., 1302 Creighton Ave., Ft. Wayne 2, Ind.
 RIVETT Lathe & Grinder, Inc., 20 Riverview Rd., Boston, Mass.

**MACERATING MACHINES**

JOHNSTON Foil Mfg. Co., 6100 S. Broadway, St. Louis, Mo.
 YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

MAGNIFYING, REDUCING GLASSES

BACHE, Semon, & Co., 636 Greenwich St., New York 14, N. Y.
 BAUSCH & Lomb Optical Co., 685 St. Paul St., Rochester, N. Y.
 ★DOUTHITT Corp., The, 680 E. Fort St., Detroit
 GLOGAU & Co., 1914 W. Birchwood, Chicago, Ill.
 PHILLIPS & Jacobs, 622 Race St., Philadelphia
 METZGER, Alfred E., 30 Irving Place, New York 3
 ORTLEB Machinery Co., 3818 Laclede Ave., St. Louis 8, Mo.
 OSTRANDER-Seymour Co., 4703 W. Arthington St., Chicago, Ill.
 PAGE, Robert R., 41 Union Square, New York 3
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York, N. Y.
 STANLEY Electric Tools, New Britain, Conn.
 WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia 1, Pa.
 ZEISS, Carl, Inc., 483 Fifth Ave., New York, N. Y.

MAILING WRAPPER PASTING DEVICES

★CHESHIRE Mailing Machines, 1415 Altgeld St., Chicago 14, Ill.
 DICK Mailer, The, 137 Tupper St., Buffalo 1, N. Y.
 PLEGER, John J., Co., 613 W. 16th St., Chicago 16

MALLETS

GOODRICH, B. F., Co., 500 S. Main St., Akron 18
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 IRWIN Manufacturing Co., Garland 1, Pa.
 NEW Plastics Corp., 1017 N. Sycamore, Los Angeles
 THOMPSON Cabinet Co., Ludington, Mich.
 UNITED States Rubber Co., 1230 Ave. of the Americas, New York
 WRIGHT Mfg. Co., P. O. Box 6567, Houston 1, Texas

MARKING MACHINES

COXHEAD, Ralph, Co., 333 Sixth Ave., New York
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
 MARKEM Machine Co., Keene, N. H.
 MARSH Stencil Co., 707 E. B St., Belleville, Ill.
 MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.
 MELIND, Louis Company, 362 W. Chicago Ave., Chicago 10, Ill.
 OLSEN Mark Corp., 124 White St., New York 13
 ★ROBERTS Numbering Machine Co., 694 Jamaica Ave., Brooklyn 8, N. Y.
 STAFFORD Engraving Co., 229 N. Pennsylvania St., Indianapolis 6, Ind.

MARKING MACHINE, ROTOGRAVURE CYLINDER

★HOE, R., & Co., 910 E. 138th St., New York 54
 STONE, Thos. & George M., 502 Mulberry St., Newark 5, N. J.

MATRIX PAPERS

ALBEMARLE Paper Mfg. Co., The, Box 2189, Richmond, Va.
 CORPKAK Co., The, 44 South St., Mt. Vernon, N. Y.
 DUDLEY, Kenneth E., Box 806, Hagerstown, Md.
 STANDARD Paper Mfg. Co., First & Hull Sts., Richmond, Va.
 WRENN Paper Co., Middletown, Ohio

MAT ROLLERS

GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
 ★HOE, R., & Co., 910 E. 138th St., New York 54
 NOLAN Mch. Corp., 1333 E. Dominick St., Rome, N. Y.
 NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis 4, Minn.
 ★SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. Y.
 SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.
 STEREO TYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

MATS, STEREO TYPE, DRY

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
 BEVERIDGE Paper Co., 717 W. Washington, Indianapolis 4, Ind.
 BURGESS Cellulose Co., Freeport, Ill.
 CERTIFIED Dry Mat Corp., 9 Rockefeller Plaza, New York 20, N. Y.
 CORPKAK Co., The, 45 South St., Mt. Vernon, N. Y.
 DORSEY'S Printers Supply Co., Inc., 125 Pontotoc, Memphis, Tenn.
 FLEXIDEAL Dry Mat Co., 25 E. 26th St., New York PIONEER Rubber Engraving Co., 21 E. 17th Street, New York 3, N. Y.
 RAPID Electrotone Co., McMicken Ave. & Race St., Cincinnati, Ohio
 STEREO TYPE Equipment Co., 2815 Irving Park Road, Chicago 18, Ill.
 WOOD Flong Corp., 551 Fifth Ave., New York 17

MAT TRIMMERS

COES, Loring Co., 72 Coes St., Worcester, Mass.
 GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
 ★HOE, R., & Co., 910 E. 138th St., New York 54
 SHAW Machine & Tool Co., 1151 Temple St., Los Angeles, Cal.
 STA-HI Corporation, 1235 W. Washington Blvd., Whittier, Calif.
 WESEL Mfg. Co., 411 Gilligan St., Scranton, Pa.

METAL AND METAL FLUX

BELMONT Smelting & Refining Works, Inc., 330 Belmont Ave., Brooklyn 7, N. Y.
 ★BLATCHFORD Div., National Lead Co., 111 Broadway, New York, N. Y.
 DIVISION Lead Co., 836 W. Kinzie St., Chicago 22
 EMPIRE Metal Co., 820 E. Water St., Syracuse 3
 FARRELLOY Company, 1243-45 N. 26th St., Philadelphia 21, Pa.
 FEDERATED Metals Div. American Smelting & Refining Co., 2230 Indianapolis Blvd., Whiting, Ind.
 FINN, John, Metal Works, Inc., 384 Second St., San Francisco, Cal.
 FOUNDRY Chemical Co., 36-08 Review Ave., Long Island City 1, N. Y.
 GARDINER Metal Co., 4820 S. Campbell St., Chicago 32, Ill.

ILLINOIS Zinc Co., 2959 W. 47th St., Chicago 32
IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.
INDIANA Chemical & Mfg. Co., 317 S. Alabama St., Indianapolis 25, Ind.
JOHNSON Gas Appliance Co., Cedar Rapids, Iowa
KANSAS City Smelting Co., 2215 Guinotte Ave., Kansas City 1, Mo.
KELLY Metal Corp., Humboldt and Calyer Sts., Brooklyn, N. Y.
★LINOTYPE Parts Co., Weatherly, Pa.
MERCHANT & Evans Co., 2035 Washington Ave., Philadelphia, Pa.
METALS Refining Co., Box 309, Hammond, Ind.
MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
PITTSBURGH White Metal Co., 3116 Penn Ave., Pittsburgh, Pa.
★UNITED American Metals Corp., Corner Calyer & Diamond Sts., Brooklyn 22, N. Y.
VALENTI Metal Corp., 985 Grand St., Brooklyn

METAL MOLDS

FOSTER Mfg. Co., 123 N. 13th St., Philadelphia
IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.
NOLAN Corp., 1333 E. Dominick, Rome, New York
★UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y.

METAL POTS

ACME Electric Heating Co., 1217 Washington St., Boston 10, Mass.
ELECTRIC Heating Co., 8616 Madison Ave., South Gate, Cal.
FOSTER Mfg. Co., 123 N. 13th St., Philadelphia, Pa.
GENERAL Electric Co., 1 River Road, Schenectady 5
GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R. & Co., Inc., 910 E. 138th St., New York 54, N. Y.
INDEPENDENT Electric Machinery Co., Inc., 300 Southwest Blvd., Kansas City, Mo.
★INTERTYPE Corp., 360 Furman St., Brooklyn
KEMP, C. M., Mfg. Co., 405 E. Oliver St., Baltimore 2, Md.
★LINOTYPE Parts Co., Weatherly, Pa.
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
MARGACH Mfg. Co., 82 Beekman, New York
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
MONOMELT Co., 1611 Polk St., N. E., Minneapolis 13, Minn.
NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

METAL, DUMPED, SEPARATORS

FOSTER Mfg. Co., 123 N. 13th St., Philadelphia
★UNITED American Metals Corp., Corner Calyer & Diamond Sts., Brooklyn 22, N. Y.

MITERING MACHINES

★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.
CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.
FOSTER Mfg. Co., 123 N. 13th St., Philadelphia, Pa.
NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn
WALLIN Mfg. Co., 309 S. 13th St., Omaha 2, Neb.

MOLDING PRESSES, DIRECT PRESSURE, LEAD, MATS, PLASTIC, WAX

GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R. & Co., Inc., 910 E. 138th St., New York 54
★LAKE Erie Engineering Corp., Riverview & Woodward Ave., Buffalo 17, N. Y.
MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
OSTRANDER Seymour Co., 4705 Arthington St., Chicago 44, Ill.
STEREOTEX Machinery Co., Box 167, Stamford, Conn.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.
WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
WILLIAMSON & Co., Passaic Ave., Caldwell, N. J.

MOLESKIN AND MOLLETON

BEST, Edward H., & Co., 224 Purchase St., Boston
CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.

FUCHS & Lang Mfg., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
GODFREY Roller Co., 215 N. Camac St., Philadelphia, Pa.
INTERNATIONAL Printing Ink Corp., 67 W. 44th St., New York 18, N. Y.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio
ROBERTS & Porter, Inc., 402 S. Market St., Chicago
SENEFELDER Co., 32 Greene St., New York 13
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 51, N. Y.
SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

MORTISER, TYPE

★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

MOTORS, CONTROLS, DRIVES

ALLIS-Chalmers Mfg. Co., 1949 Noel St., Milwaukee 1, Wis.
ALLIS, Louis, Co., 427 E. Stewart St., Milwaukee 7
CENTURY Electric Co., 1806 Pine St., St. Louis 3
CHICAGO Electric Co., 1318 W. 22nd St., Chicago
★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 32, Ill.
CROCKER-Wheeler Electric Mfg. Co., Div. Elliott Co., Ampere, East Orange, N. J.
CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee
EMERSON Electric Mfg. Co., 8100 Florissant, St. Louis 21, Mo.
FAIRBANKS Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
GENERAL Electric Co., 1 River Road, Schenectady 5
GOSS Printing Press Co., 1535 S. Paulina, Chicago 8, Ill.
HORTON Mfg. Co., 3016 University Ave., S. E., Minneapolis, Minn.
LINK-Belt Co., 301 W. Pershing, Chicago
★LINOTYPE Parts Company, Main & Hudsonale, Weatherly, Pa.
★MERGENTHALER Linotype Company, 29 Ryerson St., Brooklyn 5, N. Y.
MONITOR Controller Co., 51 S. Gay St., Baltimore
NORTHWESTERN Electric Co., 408 S. Hoyne Ave., Chicago 12, Ill.
OILGEAR Co., 1560 W. Pierce St., Milwaukee 4
REEVES Pulley Co., 1227 Seventh St., Columbus, Ind.
★RELIANCE Electric & Engineering Co., 1101 Ivanhoe Rd., Cleveland, Ohio
ROCKWOOD Mfg. Co., 1801 English Ave., Indianapolis 6, Ind.
STAR-Kimble Electric Co., Div. of Miehle Printing Press Co., 200 Bloomfield Ave., Bloomfield, N. J.
STERLING Electric Motors, 5401 Anaheim-Telegraph Rd., Los Angeles 22, Calif.
U. S. Electrical Motors, Inc., 200 E. Slauson Ave., Los Angeles 54, Calif.
WAGNER Electric Corporation, 6400 Plymouth Ave., St. Louis 14, Mo.
WESTINGHOUSE Electric Corp., P.O. Box 868, Pittsburgh, Pa.

MULTIPLE NEGATIVE MACHINES

★LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.
WATERWORTH Eng. & Mfg. Co., 2329 Troy St., Dayton 3, Ohio



NAILING MACHINES

GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
HASTINGS Sales Eng. Co., 795 Boylston St., Boston 16, Mass.
HELLER, Company, 2135 Superior Ave., Cleveland
★HOE, R. & Co., Inc., 910 E. 138th St., New York 54
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

NAILS, BLOCKING (BRADS)

AMERICAN Steel & Wire Co., Rockefeller Bldg., Cleveland 13, Ohio
GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
★HOE, R. & Co., Inc., 910 E. 138th St., New York 54
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.

NEGATIVE AND PRINT DRYING CABINETS

★DOUTHITT Corp., 680 E. Fort St., Detroit 26
MERIX Chemical Co., 1021 E. 55th St., Chicago, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
SIMPLEX Specialty Co., 116 W. 14th, New York 11
WILLIAMS, Brown & Earle, 918 Chestnut St., Philadelphia, Pa.

NEGATIVE CABINETS

ANGLE Steel Stool Co., 127 Oak St., Plainwell, Mich.
★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
★DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
★HARRIS-Saybold Co., 4510 E. 71st St., Cleveland 5
★ROBERTSON, R. R., 3069 N. Elston Ave., Chicago

NEWSPAPER COLOR ATTACHMENTS

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R. & Co., Inc., 910 E. 138th St., New York
★SCOTT, Walter, & Co., Plainfield, N. J.
WOOD Newspaper Mch. Corp., 501 Fifth Ave., New York 17, N. Y.

NEWSPAPER FILES AND RACKS

EQUIPTO Div. Aurora Eqpt. Co., Aurora, Ill.
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
THOMPSON Cabinet Co., Ludington, Mich.

NEWSPAPER HEADING MATS

IMPRINT Matrix Co., Charlotte, N. C.

NEWSPAPER AND MAGAZINE REELS, TENSIONS

CAMERON Machine Co., 61 Poplar St., Brooklyn 2
★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 32, Ill.
GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R. & Co., Inc., 910 E. 138th St., New York 54
KOHLE System Co., 159 E. Chicago Ave., Chicago
★SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. J.
WOOD Newspaper Mch. Corp., 501 Fifth Ave., New York 17, N. Y.

NITRAZINE PAPER, GRAVURE

SQUIBB & Sons, E. R., 745 Fifth Ave., New York 22

NUMBERING MACHINES

(See Counters, Daters, Etc.)



OFFSET DIRECT PROJECTION MACHINES

HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.
★LANSTON Monotype Machine Co., 24th & Locust, Philadelphia 3, Pa.
★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1

OFFSET-LITHOGRAPHIC PLATE GRAINING

ALJEN Associates, 1215 Primrose St., Cincinnati 23
SENEFELDER Co., The, 32 Greene St., New York 13, N. Y.

OFFSET-LITHOGRAPHIC PLATE MAKING

BAUMGARDNER, H. K., Sales & Service, 1935 Euclid Ave., Cleveland, Ohio
BRAUER & Sons, Inc., 1718 N. 1st St., Milwaukee
★GRAPHIC Arts Corp. of Ohio, Jackson at 11th, Toledo 2
MARK & Son, John G., 525 Broadway, New York 12, N. Y.
METZGER, Alfred E., 30 Irving Place, New York 3
MONO Trade, 213 S. Sixth St., Minneapolis, Minn.
OFFSET Printing Plate Co., 100 Bleeker St., New York 12, N. Y.
PROCESS Litho Arts Inc., 4515 N. Kedzie Ave., Chicago 25, Ill.
SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

OFFSET-LITHOGRAPHIC SUPPLIES

ANCHOR Chemical Co., Inc., 829 Bergen St., Brooklyn 16, N. Y.
ANSCO, 40 Charles St., Binghamton, N. Y.
BAUMGARDNER, H. K., Sales & Service Co., 1935 Euclid Ave., Cleveland 15, Ohio
BRADEN-Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.
CALIFORNIA Ink Co., 545 Sansome St., San Francisco 11, Cal.
★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio

★DOUTHITT Corp., 680 E. Fort St., Detroit 26
 ★FOTOPLATH Co., 32 Oxford St., Newark 5, N. J.
 ★FUCHS & Lang Mfg. Div. Sun Chemical Corp., 10th
 St. & 44th Ave., Long Island City 1, N. Y.
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 INTERNATIONAL Printing Ink Corp., 67 W. 44th
 St., New York, N. Y.
 ★JONES Graphic Products Co., 118 N. Third St., Al-
 buquerque, New Mexico
 ★LE PAGE'S, Inc., 144 Essex Ave., Gloucester, Mass.
 LITHO Chemical & Supply Co., 63 Park Row, New
 York, N. Y.
 ★LITHOMAT Corp., 58 Charles St., Cambridge 4
 METZGER, Alfred E., 30 Irving Place, New York 3
 ★NORMAN-Willems Co., 105 N. Wacker Drive, Chi-
 cago, Ill.
 ★PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
 ★PHOTO Litho Plate Graining Co., The, 1207 S.
 Highland Ave., Baltimore, Md.
 ★PITMAN, Harold M., Co., 51st Ave. and 33rd St.,
 Chicago 50, Ill.
 ★ROBERTS & Porter, Inc., 402 S. Market St., Chicago
 ★ROGERS Isinglass & Glue Co., 210 Eastern Ave.,
 Gloucester, Mass.
 ★SENEFELDER Co., The, 32 Greene St., New York 13
 ★SHERWIN-Williams Co., The, 101 Prospect Ave.,
 Cleveland 1, Ohio
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New
 York 13, N. Y.
 ★SINCLAIR & Valentine Co., 611 W. 129th St.,
 New York 27, N. Y.

OFFSET REGISTERING CHASE

★LANSTON Monotype Machine Co., 24th at Locust,
 Philadelphia 3, Pa.

OFFSET REGISTER RULE

LITHOGRAPHIC Technical Foundation, 220 E. 42nd
 St., New York 17, N. Y.

OVENS, DRYING

★DOYLE, J. E., Co., 1220 W. 6th St., Cleveland 13
 ★HOLLINGSWORTH, William, Machine Co., 227
 Holliday St., Baltimore 2, Md.
 ★POTDEVIN Machine Co., 1226 38th St., Brooklyn
 18, N. Y.
 ★WILLIAMSON & Co., Inc., Passaic Ave., Caldwell,
 N. J.

OVERLAYS, MECHANICAL

★ANCHOR Chemical Co., 829 Bergen St., Brooklyn
 CANTINE, Martin, Co., The, Saugerties, N. Y.
 ★COLLINS, A. M., Mfg. Co., 226 Columbia Ave.,
 Philadelphia, Pa.
 ★DURO Overlay Process, Box 333, Waterford, Wis.
 ★OLSEN Mark Corp., 124 White St., New York 13
 ★WALKER-Cameo Overlay Corp., 1374 Massachusetts
 Ave., Cambridge 38, Mass.

P

PACKAGING AND TYING MACHINERY

★ACME Winter Corp., 1559 Niagara St., Buffalo 13
 ★AMERICAN Steel Chase Co., 31-31 48th Ave.,
 Long Island City 1, N. Y.
 ★AMSCO Packaging Machinery, Inc., 31-31 48th Ave.,
 Long Island City 1, N. Y.
 ★ANDERSON, C. F., & Co., 3225 Calumet Ave., Chi-
 cago 16, Ill.
 ★BARKLEY & Dexter, 528 Commonwealth Ave., Bos-
 ton 15, Mass.
 ★BUNN, B. H., Co., 7605 Vincennes Ave., Chicago 20
 ★GOAT, Fred, Co., 314 Dean St., Brooklyn 10, N. Y.
 ★KNOWLTON, M. D., Co., 47 Clariata St., Rochester,
 N. Y.
 ★MERRILL Mfg. Co., Inc., 611 William, Baltimore
 ★PACKAGE Mch. Co., Springfield, Mass.
 ★REDINGTON, F. B., Co., 112 So. Sangamon St.,
 Chicago 7, Ill.
 ★SIGNODE Steel Strapping Co., 2600 N. Western
 Ave., Chicago, Ill.
 ★STAUDE, E. G., Mfg. Co., 2673 University Ave., St.
 Paul, Minn.
 ★STOKES & Smith Co., Inc., Frankford, Philadelphia
 ★TIE Co., The, Unadilla, N. Y.

PADDING PRESSES

★CARB-N-SET Business Forms, 816 Ferguson Ave.,
 Dayton 7, Ohio
 ★GROVE, Jacob R., Co., 4024 Brandywine St., N. W.,
 Washington, D. C.
 ★MURPHY, Joseph E., Co., 24 Ellsworth St., Worces-
 ter 3, Mass.
 ★SPEEDY Machinery Co., Hotel Vereen, Miami 35,
 Fla.
 ★SUTTER, O. W., Mfg. Co., 110 S. Brooks St., Fond
 du Lac, Wis.

PAGE FRAMES

★RIEHL Galley Lock Co., Inc., 1312 Ontario St.,
 Cleveland 13, Ohio
 ★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chi-
 cago 14, Ill.
 ★SEILER Mfg. Co., 18 W. Main St., Mt. Joy, Pa.

PAGING AND NUMBERING MACHINES

★FORCE, Wm. A., & Co., 216 Nichols Ave., Brook-
 lyn 8, New York
 ★GANE Bros. & Lane, Inc., 1335 W. Lake St., Chi-
 cago, Ill.
 ★HICKOK, W. O., Mfg. Co., Harrisburg, Pa.
 ★HOOLE Machine & Engraving Works, Inc., 30 Main
 St., Brooklyn, N. Y.
 ★MC ADAMS, John, & Sons, Inc., 20 Knight St.,
 Norwalk, Conn.
 ★NYGREN-Dahly Co., 1422 W. Altgeld, Chicago
 ★ROBERTS Numbering Machine Co., 700 Jamaica
 Ave., Brooklyn 8, N. Y.

PAPER CLEANERS, SHEET and WEB

★CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield,
 N. J.
 ★DOYLE, J. E., Co., 1220 W. Sixth St., Cleveland 13

PAPER CUTTERS, TRIMMERS AND ACCESSORIES

(Also see Roll Leaf Cutters)

1 Automatic Power
 2 Cutting Sticks
 3 Knife Grinders
 4 Knives
 5 Label
 6 Lever
 7 Power Gauge
 8 Power, Hand Clamp
 9 Rotary
 10 Safety Guards
 11 Sheeter, Roll

1 2 3 4 5 6 7 8 9 10 11
 AMERICAN Wood Type & Engraving Co., 35 W.
 3rd St., New York 12, N. Y.

★AMSTERDAM Cont'l Types & Graphic Equip., Inc.,
 44 Whitehall St., New York 4, N. Y.

★ATKINS, E. C., and Co., 402 S. Illinois St., Indian-
 apolis 9, Ind.

★BECK, Charles, Corporation, 414 N. 13th St., Phila-
 delphia 8, Pa.

★BOICE-CRANE Co., 930 Central Ave., Toledo 6

★BOLTON, John W., and Sons, Inc., Lawrence, Mass.

★BRADLEY, Milton Co., 74 Park St., Springfield, Mass.

★CHALLENGE Mch. Co., Grand Haven, Mich.

★CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield,
 N. J.

★CHANDLER & Price Co., 600 Carnegie Ave.,
 Cleveland 3, Ohio

★CHAPMAN Knives & Saws, Inc., 504 S. Broadway,
 St. Louis 2, Mo.

★COES, Loring, Co., 72 Coes St., Worcester 3, Mass.

★CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.

★CRAFTSMEN Machinery Co., 575 Atlantic Ave.,
 Boston 10, Mass.

★DEXTER Folder Co., Pearl River, N. Y.

★DISSTON, Henry, & Sons, Inc., Unruh & Milnor
 Sts., Philadelphia 5, Pa.

★FATE-Root-Heath Co., Inc., Plymouth, Ohio

★FREMONT Tool & Die Co., 432 N. Wood St., Fre-
 mont, Ohio

★HAMILTON Mfg. Co., Two Rivers, Wis.

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5

★HEPPENSTALL Co., Pittsburgh, Pa.

★HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.

★HILL, Frank H., Co., Walpole, Mass.

★HOBBS Mfg. Co., 26 Salisbury St., Worcester 5,
 Mass.

★HOOPER, F. X., Co., Inc., Glen Arm, Md.

★IRWIN Mfg. Co., 199 Main St., Garland, Pa.

★JACQUES, John, & Son, 93 Webster St., Worcester
 3, Mass.

★LASTICKS, Inc., 119-10 Sutphin Blvd., Jamaica,
 L. I., N. Y.

★LAWSON, E. P., Co., 426 W. 33rd, New York 1

1 2 3 4 5 6 7 8 9 10 11
 ★MAXSON Automatic Mch. Co., 98 Granite St.,
 Westerly, R. I.

★MEISEL Press Mfg. Co., 944 Dorchester Ave., Bos-
 ton 25, Mass.

★MISSOURI-Central Type Foundry, 705 E. Murdock
 Ave., Wichita 3, Kan.

★MORGANS & Wilcox Mfg. Co., 69 Hanford St.,
 Middletown, N. Y.

★NAZ-DAR Co., 469 Milwaukee Ave., Chicago 10

★OHIO Knife Co., B. & O. R. R. & Dremar Ave.,
 Cincinnati 23, Ohio

★PAVYER Printing Machine Works, 600 S. Broadway,
 St. Louis 2, Mo.

★POWER Gauges, 304 Hudson St., New York 13

★PRINTING Machinery Co., 436 Commercial St.,
 Cincinnati 2, Ohio

★ROBERTSON, R. R., 3069 N. Elston, Chicago

★ROBINSON, John T., Co., 1476 River St., Boston 36

★ROGERS, Samuel C., & Co., 191 Dutton Ave., Buf-
 falo 11, N. Y.

★SANDBERG Mfg. Co., 1941 W. Fulton St., Chicago

★SHERIDAN, T. W. & C. B., Co., 129 Lafayette St.,
 New York 13, N. Y.

★SIEBOLD, J. H. & G. B., 47 Watts St., New York

★SIMONDS Saw and Steel Co., 470 Main St., Fitch-
 burg, Mass.

★SIMONDS Worden White Co., 604 Negley Pl., Day-
 ton 7, Ohio

★SMITH & Winchester Mfg. Co., Inc., South Wind-
 ham, Conn.

★TURNER Printing Machinery Inc., 2630 Payne Ave.,
 Cleveland 14, Ohio

★UNITED Shoe Machinery Corp., 140 Federal St.,
 Boston 7, Mass.

★WAPAKONETA Machine Co., Box 179, Wapako-
 neta, Ohio

PAPER-EQUIVALENT SCALE

★TESTING Machines, Inc., 427 W. 42nd St., New
 York 1, N. Y.
 ★THWING-Albert Instrument Co., Penn & Pulaski,
 Philadelphia 44, Pa.

PAPER SKIDS AND PLATFORMS

★ALL STEEL Welded Truck Corp., 1149 Railroad
 Ave., Rockford, Ill.
 ★CLINE Electric Mfg. Co., 4305 W. 47th St., Chi-
 cago, Ill.
 ★EQUIPTO Div. Aurora Equipment Co., Aurora, Ill.
 ★KOHLER Systems Co., 159 E. Chicago Ave., Chi-
 cago 11, Ill.
 ★LEWIS-Shepard Products, Inc., 239 Walnut St., W-
 tertown 72, Mass.
 ★MARKET Forge Co., 30 Garvey St., Everett 49, Mass.
 ★NUTTING Truck & Castor Co., 1123 W. Division
 St., Faribault, Minn.
 ★REVOLVATOR Co., 86th St. & Tonnelle Ave., North
 Bergen, N. J.
 ★SERVICE Caster & Truck Co., The, 620 N. Browns-
 wood Ave., Albion, Mich.
 ★YALE & Towne Mfg. Co., 4530 Tacony St., Phila-
 delphia, Pa.

PARCHMENT, SHEEPSKIN

★GLOGAU & Co., 538 S. Clark St., Chicago 5, Ill.

PASTERS, FLYING, FOR PRESSES (See Flying Pastors for Presses)

PEBBLING MACHINES

(See Embossing Machines, Roller)

PENS, RULING

★DREDGE, A., Ruling Pen Co., 350 W. 31st St., New
 York 1, N. Y.
 ★HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
 ★LAWSON, E. P., & Co., Inc., 426 W. 33rd St., New
 York 1, N. Y.
 ★LINDBLADH Corp., 201 Morris St., Toledo 4, Ohio

PERFORATING MACHINES

★CUMMINS Business Machines Corp., 4786 Ravens-
 wood Ave., Chicago 40, Ill.

WHEN WRITING PAPER MANUFACTURERS PLEASE MENTION

FORD Instrument Co., 31-10 Thomson Ave., Long Island City 10, N. Y.
 GANE Bros. & Lane, Inc., 1335 W. Lake, Chicago
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 ★LAWSON, E. P., & Co., 424 W. 33rd St., New York 1, N. Y.
 LESTER & Wasley Co., The, 513 N. Main St., Norwich, Conn.
 NYGREN-Dahly Co., 1422 W. Altgeld St., Chicago
 ★ROSBACK, F. P., Co., 5th and Park Sts., Benton Harbor, Mich.

PERFORATING, SLITTING AND SCORING ATTACHMENTS, PRESS

★BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.
 CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield, N. J.
 COWAN Pressroom Products, Inc., 1631 Cosmo St., Hollywood 28, Cal.
 DAVIDSON Perforator Co., P. O. Box 1235, New Haven 5, Conn.
 ★HAMILTON Tool Co., 900 Hanover St., Hamilton, Ohio
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 ORTLEB Machinery Co., 3818 Laclede Ave., St. Louis, Mo.
 SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N. Y.

PHOTO-COMPOSING MACHINES

COXHEAD, Ralph C., Corp., 333 Sixth Ave., New York, N. Y.
 EUREKA Photo Offset Engraving, Inc., 20 Vandam St., New York, N. Y.
 HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.
 ★LANSTON Monotype Machine Co., 24th at Locust, Philadelphia 3, Pa.
 RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 1010 44th Ave., Long Island City, N. Y.
 WATERWORTH Eng. & Mfg. Co., 2329 Troy St., Dayton 3, Ohio
 WESEL Mfg. Co., 1141 N. Washington, Scranton, Pa.

PHOTOCOPY EQUIPMENT, PAPER AND CHEMICALS

★CHEMCO Photo Products Co., New St., Glen Cove, N. Y.
 DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N. Y.
 ★DOUTHITT Corp., The, 680 E. Fort St., Detroit Haloid Co., 2-20 Haloid St., Rochester 3, N. Y.
 LITHOMAT Corporation, 58 Charles St., Cambridge
 MERIX Chemical Co., 1021 E. 55th St., Chicago 15
 REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N. Y.

PHOTO-IMPOSING SYSTEMS

★LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.

PHOTO-LETTERING MACHINES

COXHEAD, Ralph C., Corp., 333 Sixth Ave., New York, N. Y.
 HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.
 RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City, N. Y.
 WESEL Mfg. Co., 1141 N. Washington, Scranton, Pa.

PHOTOTYPE LETTERS

ACME Type Foundry, 633 Plymouth Court, Chicago 5, Ill.
 ARTYPE, Inc., 549 W. Randolph, Chicago 6
 FOTOTYPE Co., 1414 W. Roscoe, Chicago

PLANERS (See Saws and Planers)

PLATE COATING AND WHIRLING MACHINES

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
 ★AMSTERDAM Cont'l Types & Graphic Equip., Inc., 44 Whitehall St., New York 4, N. Y.
 AURORA School of Photo-Engraving, Aurora, Mo.
 BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.
 BROWN, W. A., Mfg. Co., 3035 Charleston St., Chicago 47, Ill.
 ★CHEMCO Photoproducts Co., New St., Glen Cove, N. Y.
 CONSOLIDATED Photo Engravers Equip. Co., 2155 W. Wabasha, Chicago 47, Ill.
 ★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26
 ★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
 ★LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.
 LITHOMAT Corporation, 58 Charles St., Cambridge
 MASTER Etching Machine Co., 127 Greenwood Ave., Wyncote, Pa.
 MCKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio
 MILLER-Trojan Co., Inc., 1083 W. Main St., Troy, Ohio

MOUNT Vernon Presses, Mt. Vernon, N. Y.
 PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
 PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 50, Ill.
 ROBERTSON, R. R., 3069 N. Elston Ave., Chicago
 ★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1
 SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.
 WATERWORTH Eng. & Mfg. Co., 2329 Troy St., Dayton 3, Ohio
 WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
 ZARKIN Machine Co., Inc., 34-19 10th St., Long Island City 6, N. Y.

PLATEMAKING MATERIAL

1 Aluminum
 2 Brass
 3 Copper
 4 Lead
 5 Linoleum, Battleship
 6 Plastic
 7 Rubber
 8 Steel
 9 Wood
 10 Zinc, Polished, Photo Engravers
 11 Zinc, Offset-Litho
 1 2 3 4 5 6 7 8 9 10 11
 ALJEN Associates, 1215 Primrose St., Cincinnati 23
 1 11
 ALUMINUM Co. of America, 2116 Gulf Bldg., Pittsburgh, Pa.
 1 10 11
 ★AMERICAN Evatype Corp., Deerfield, Ill.
 1 3
 AMERICAN Zinc Products Co., Greencastle, Ind.
 1 3
 ★AMSTERDAM Cont'l Types & Graphic Equip., Inc., 44 Whitehall St., New York 4, N. Y.
 ATLANTIC Zinc Works, 210 Van Brunt St., Brooklyn 31, N. Y.
 2 3 10
 BAKELITE Corporation, 285 Madison Ave., New York 17, N. Y.
 6
 BLATCHFORD Div. National Lead Co., 111 Broadway, New York City
 4
 CRONITE Co., Inc., 35 Park Pl., New York 7, N. Y.
 2 3
 DAVIDSON Corp., Sub. of Mergenthaler Linotype Co., 1020 W. Adams, Chicago 7
 1 11
 DAYTON Rubber Mfg. Co., Dayton 1, Ohio
 7
 DIVISION Lead Co., 836 W. Kinzie St., Chicago 22
 1
 DU PONT, E. I., de Nemours & Co., Plastic Plate Div., Arlington, N. J.
 6
 ECONO Products, Inc., 132 Humboldt St., Rochester 10, N. Y.
 6 7
 EDES Manufacturing Co., Water St., Plymouth, Mass.
 2 3 10
 FEDERATED Metals Division, American Smelting and Refining Co., 120 Broadway, New York 5, N. Y.
 4
 ★FORCE, William A., Co., 216 Nichols Ave., Brooklyn 7
 FOTOPATE Co., 32 Oxford St., Newark 5, N. J.
 1 11
 FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 11
 GARDNER Metal Co., 4820 S. Campbell Ave., Chicago 32, Ill.
 4
 GOODRICH, B. F., Rubber Co., 500 S. Main St., Akron 18, Ohio
 6 7
 GOODYEAR Tire & Rubber Co., 1114 E. Market St., Akron 16, Ohio
 6 7
 HOKE Engraving Plate Co., 1024 Park Ave., St. Louis 4, Mo.
 8
 IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
 7
 IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.
 2 3 10
 ★INTERNATIONAL Printing Ink, 67 W. 44th St., New York, N. Y.
 1 11
 LITHO Chemical & Supply Co., 63 Park Row, New York, N. Y.
 1 11
 LITHOMAT Corp., 58 Charles St., Cambridge, Mass.
 6
 MATTHIESSEN & Hegeler Zinc Co., LaSalle, Ill.
 11
 MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.
 1
 MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10, Ill.
 7
 METZGER, Alfred E., 30 Irving Place, New York 3 11

1 2 3 4 5 6 7 8 9 10 11
 ★MIEHLE Printing Press & Mfg. Co., 2011 Hastings St., Chicago 8, Ill.
 1
 MILLER-Trojan Co., Inc., 1083 W. Main St., Troy, Ohio
 MONOMELT Co., 1611 Polk St., N. E., Minneapolis 13, Minn.
 6
 PIONEER Rubber Engraving Co., 21 East 17th St., New York 3, N. Y.
 2 3 7
 PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 50, Ill.
 2 3 10
 PLASTOLITH Co., 221 Columbus Ave., Boston 16
 6
 REVERE Copper and Brass, Inc., 230 Park Ave., New York 17, N. Y.
 2 3 10
 SENEFFELDER Co., The, 32 Greene St., New York 13
 1 11
 SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.
 1
 SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N. Y.
 2 3 10
 THIOKOL Corp., 780 W. Clinton Ave., Trenton, N. J.
 6
 ★TI-PI Company, 1000 Broadway, Kansas City 6, Missouri
 6 7
 UNITED States Rubber, Inc., 1230 Sixth Ave., New York 20, N. Y.
 7
 WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.
 6 7
 WILSOLITE Corp., 501 Amherst Street, Buffalo 7
 6 7

PLATE MOLDING EQUIPMENT (Rubber and Plastic)

A. A. A. Manufacturing Co., 1812 S. Main St., South Bend 14, Ind.
 ★AMERICAN Evatype Corp., Deerfield, Ill.
 ★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
 ELECTRO-Copyst, Inc., 205 E. 42nd, New York 17
 GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio
 HEINRICH, H. H., Inc., 200 Varick, New York 14
 ★LAKE Erie Engineering Corp., Riverview & Woodward Ave., Buffalo 17, N. Y.
 MONOMELT Co., 1611 Polk St., N. E., Minneapolis 13, Minn.
 STEREOTEX Machinery Co., Box 167, Stamford, Conn.
 UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.
 WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.

PLATE MOUNTING DEVICES

1 Patent Base and Tools
 2 Type Metal Base
 1 2
 ★BLATCHFORD, E. W., Co., 111 Broadway, New York
 1
 ★CHALLENGE Machinery Co., Grand Haven, Mich.
 1
 ★COTTRELL, C. B., & Sons Co., Westerly, R. I.
 1
 FEEHERRY Engineering Mach. Co., 2317 N. 15th St., Philadelphia 32, Pa.
 1
 ★LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.
 2
 ★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
 2
 M & L Typesetting & Electrotyping Co., Inc., 4001 Ravenswood Ave., Chicago 13, Ill.
 2
 PITT, J. W., Inc., Bath, N. Y.
 1
 ★PRINTING Machinery Co., The, 436 Commercial Sq., Cincinnati 2, Ohio
 1 2
 UNIQUE Steel Block Co., 304 Chemung St., Waverly, N. Y.
 1
 WARNOCK, W. S., Co., 1524 Jonquil Terrace, Chicago 26, Ill.
 1
 WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
 1

PLATES, ALMANAC & CALENDAR

PONTIAC Engraving & Electrotypes Co., 812 W. Van Buren St., Chicago 7, Ill.

PNEUMATIC DISPATCH TUBES

LAMSON Corp., Syracuse 1, N. Y.

POLISH, METAL

GISLER-Joslin Co., 557 E. Washington St., Indianapolis 4, Ind.
HANSON-Van Winkle-Munning, Matawan, N. J.
STAFFORD, S. S., Inc., 609 Washington St., New York 14, N. Y.

POURING SHEETS

★HOE, R., & Co., 910 E. 138th St., New York 54
UNITED Stereotype Supply Corp., Box 38, West Lynn, Mass.

PRE-REGISTER IMAGE EQUIPMENT

HEINRICH, H. H., Inc., 200 Varick St., New York 14, N. Y.
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.
TAYLOR Machine Co., 210 Guilford Ave., Baltimore

PRESS ATTACHMENTS (Also see Brakes, Press; Feeders, Folders, etc.; Gauge Pins, etc.)

1 Curled Stock Holders
2 Envelope Flap Holders
3 Foot Extensions
4 Guard, Hand, Platen Press
5 Hose for Press Air System
6 Pile Braces
7 Register Device for Verticals
8 Roll Winding Machines
9 Spring Clips
10 Web Side-Guiding Controls
11 Web Tensions
★BEALL, Jack, 641 South Dearborn Street, Chicago 5, Ill.

CAMERON Machine Co., 61 Poplar St., Brooklyn 2
CARLSON Co., The, 15 Hathaway St., Boston 10
FORD Instrument Co., 31-10 Thomson Ave., Long Island, N. Y.

KOHLER System Company, 159 E. Chicago Ave., Chicago 11, Ill.

MACK Specialties Co., 18 E. Fourth St., Cincinnati 2
NATIONAL Sherardizing & Machine Co., 868 Windsor St., Hartford, Conn.

RATHBUN & Bird Co., 379 W. Broadway, New York 12, N. Y.

RAYBESTOS-Manhattan, Inc., 61 Willet St., Passaic

RELIABLE Printing Equipment Co., Erie Bldg., Cleveland 15, Ohio

SMITH & Winchester Mfg. Co., So. Windham, Conn.

PRESS PLATES (Saw Steel Draw-sheets and Tympans for Steel Rule Die Cutting)

DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio

PRESSES, PRINTING (Also see Die Cutting Machines, Die Cutting Presses, Die Stamping Presses, and Embossing Machines)

1 Anilin
2 Cylinder
3 Die-Cutting
4 Electrophotographic
5 Embossing
6 Flatbed Web
7 Gravure
8 Gravure Roll Feed
9 Gravure Sheet Feed
10 Magazine
11 Miehle, 3rd Color Unit
12 Multi-Color
13 Newspaper
14 Offset-Lithographic
15 Offset-Lithographic Roll Feed
16 Offset-Lithographic Sheet Feed
17 Perfector, Cylinder
18 Photogelatin (Collotype)
19 Platen
20 Platen, Roll Feed
21 Rotary, Letterpress, Roll Feed
22 Rotary, Letterpress, Sheet Feed
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
AMERICAN Machine & Mfg. Co., Inc., 1201 Folsom St., San Francisco, Cal.

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 6, N. J.
13 14 15 16 7 8 10

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
★AMSTERDAM Cont'l Types & Graphic Equip., Inc., 44 Whitehall St., New York 4, N. Y.

BABCOCK Printing Press Corp., 800 Waynesburg Road, S. E., Canton 7, Ohio
12 16 21
BANTHIN Eng. Co., 1849-57 Main St., Bridgeport 4, Conn.

BATHRICK & Palmer Co., 1317 Princeton St., Elkhart, Ind.

★BRANDTJEN & Klinge, Inc., Gaultier St. & Como Ave., St. Paul, Minn.

★CHALLENGE Mch. Co., Grand Haven, Mich.

CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.

★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio

★COTTRELL, C. B., & Sons Co., Westerly, R. I.

CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.

COMMERCIAL Iron Works, 2424 Porter St., Los Angeles, Cal.

CRONITE Company, 35 Park Place, New York City 7, New York

DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.

DIETZ Machine Works, 126 W. Fontaine St., Philadelphia, Pa.

★DUTRO, Orville & Sons, Inc., 1206 Maple Ave., Los Angeles

★ELECTRIC Boat Co. (Printing Mch. Div.), 445 Park Ave., New York 22, N. Y.

FORD Instrument Co., 31-10 Thomson Ave., Long Island, N. Y.

GENERAL Printing Mch. Corp., 29 Ryerson St., Brooklyn 5, N. Y.

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N. Y.

★HAMILTON Tool Co., 900 Hanover, Hamilton, Ohio

★HARRIS-Saybold Company, 4510 E. 71st St., Cleveland 5, Ohio

HENDY, Joshua, Corp., 601 W. 5th St., Los Angeles 13, California

HENSCHEL, C. B., Mfg. Co., 229 W. Mineral St., Milwaukee 4, Wis.

★HESS & Barker, 212-22 S. Darien St., Philadelphia

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

HOOPER, F. X., Company, Incorporated, Glen Arm, Maryland

HUDSON-Sharp Machine Co., 1207 Main St., Green Bay, Wis.

HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.

INMAN Mfg. Co., 41 Guy Park Ave., Amsterdam, N. Y.

INTA-Roto Machine Co., R.F.D. 6, Box 45, Richmond, Va.

INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.

KESLEY Co., 45 Crown St., Meriden, Conn.

KIDDER Press Co., Inc., Dover, N. H.

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

LOCKWOOD's, Inc., Div. New Era Mfg. Co., 373 11th Ave., Paterson 4, N. J.

MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.

★MIEHLE Printing Press & Mfg. Co., 2011 Hastings St., Chicago 8, Ill.

★MILLER Printing Mch. Co., 1117 Reedsdale St., Pittsburgh 12, Pa.

MOTTER'S, George F., Sons, 132 S. Pershing Ave., York, Pa.

MT. Vernon Presses, 111 E. Grand St., Mt. Vernon, N. Y.

NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.

★NEW Era Mfg. Co., 375 Eleventh Ave., Paterson 4, N. J.

OLSENMARK Corp., 124 White St., New York 13

PACKER Mfg. Co., Inc., Green Bay, Wis.

PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.

PEARCE Development Co., 1606 E. 30th St., Cleveland 14, Ohio

POTDEVIN Machine Co., 1221 38th St., Brooklyn 18

PRECISE Engineering Co., 10014 S. Western Ave., Chicago, Ill.

ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.

SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N. Y.

★SCOTT, Walter, & Co., Plainfield, N. J.

SHAW Machine Tool Co., 1151 Temple St., Los Angeles 12, Cal.

SPECIALTY Automatic Machine Co., 88 Gerrish Ave., Chelsea 50, Mass.

STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

STAUDE, E. G., Mfg. Co., 2675 University Ave., St. Paul 4, Minn.

★STOESSER Machine Mfg. Corp., 534 W. 35th St., New York 1, N. Y.

SWIFT, George W., Inc., 7 Ward St., Bordentown, N. J.

THOMSON-National Press Co., Franklin, Mass.

VERNER, B., & Co., 52 Duane St., New York, N. Y.

WALDRON, John, Corp., New Brunswick, N. J.

★WESTERN Printing Mch. Co., 3519 N. Spaulding, Chicago, Ill.

WILLSEA Works, 371 St. Paul St., Rochester 5, N. Y.

WOOD Newspaper Mch. Corp., 501 Fifth Ave., New York 17, N. Y.

YOUNG Engineering Co., 2429 N. Sheffield, Chicago

ZARKIN Machine Co., 34-19 10 St., Long Island City, N. Y.

PRESSES, PROOF

1 Multi-Color
2 Offset-Lithography
3 One Color
4 Rotogravure
1 2 3 4
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 6, N. J.

1 2 3 4
★AMSTERDAM Cont'l Types & Graphic Equip., Inc.,
44 Whitehall St., New York 4, N. Y.

2 3
★CHALLENGE Machinery Co., Grand Haven, Mich.

3
★COTTRELL, C. B., & Sons Co., Westerly, R. I.

FOSTER Mfg. Co., 123 N. 13th St., Philadelphia, Pa.
GOSS Printing Press Co., The, 1535 S. Paulina St.,
Chicago 8, Ill.

★HOE, R., & Co., 910 E. 138th St., New York 54
INTA-Roto Machine Co., Inc., R.F.D. 6, Box 45,
Richmond, Va.
NOLAN Corp., 1333 E. Dominick St., Rome, N. Y.

3
NORTHWEST Type Foundry, 507 S. Fourth St.,
Minneapolis, Minn.

OSTRANDER-Seymour Co., 4703 W. Arthington St.,
Chicago, Ill.

3
PRINTRADE Machinery Corp., 441 Lexington Ave.,
New York 17, N. Y.
RUTHERFORD Machinery Co., Div. Sun Chemical
Corp., 1010 44th Ave., Long Island City 1, N. Y.

★VANDERCOOK & Sons, 900 N. Kilpatrick Ave.,
Chicago 51, Ill.
WESEL Mfg. Co., 1141 N. Washington Ave., Scrant-
on, Pa.

PRESSES, SPECIALTY PRINTING

- 1 Bag
- 2 Bank Note
- 3 Carton, Container
- 4 Cellophane
- 5 Check
- 6 Continuous Forms, etc.
- 7 Drinking Cup, Rotary, Web
- 8 Embossed, Die-Cut Seals
- 9 Envelope
- 10 Fans, Novelties, etc.
- 11 File Folder
- 12 Foil
- 13 Fruit Stamping
- 14 Imprinting, Bank Check, Cartons, Labels, etc.
- 15 Label
- 16 Letter, Form
- 17 Match Book Cover
- 18 Menu
- 19 Metal Plate, Glass, and Plastics
- 20 Milk Bottle Cap
- 21 Pencil
- 22 Photogelatin
- 23 Register Form
- 24 Rolling Surfaces and Rubber Ball
- 25 Sales Book
- 26 Show Card
- 27 Silk Screen
- 28 Snap-out and Zigzag
- 29 Tag
- 30 Tape and Ribbon
- 31 Ticket
- 32 Tube
- 33 Typewriter Ribbon Attachment
- 34 Wet Paper
- 35 Wood
- 36 Wrapper

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33
34 35 36

ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt
Rd., Cleveland, Ohio

14 15 16 18 9
AMERICAN Machine & Mfg. Co., Inc., 1201 Folsom
St., San Francisco, Cal.

★AMERICAN Type Founders, 200 Elmora Ave., Eliz-
abeth B, N. J.

14 15 16 17 6
APEX Products Corporation, 53 E. 10th St., New
York 10, N. Y.

24 21
BATHRICK & Palmer Co., 1317 Princeton St., Elk-
hart, Ind.

15 19 31
CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloom-
field, N. J.

1 3 4 6 7 20
12 14 15 17 28 29 30

36
★CHANDLER & Price Co., 6000 Carnegie Ave.,
Cleveland 3, Ohio

18 9
★COTTRELL, C. B., & Sons Co., Westerly, R. I.

1 3 4 15
CRONITE Co., 35 Park Place, New York 7, N. Y.

2
DUTKO, Orville, & Sons, 1206 Maple Ave., Los
Angeles, Calif.

23 25
EVER Ready Label Corp., 337 Cortlandt St., Bella-
ville 9, N. J.

30

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33
34 35 36

GOAT, Fred, Co., 314 Dean St., Brooklyn 10, N. Y.

14
HAIDA Engineering Co., 34-11 Vernon Blvd., Long
Island City 1, N. Y.

★HAMILTON Tool Co., 900 Hanover St., Hamilton,
Ohio

5 6 11
23 25 15 16 28 29 30 31 32
36

★HARRIS-Seybold Co., 4510 E. 71st, Cleveland 5

9
HENDY, Joshua, Corp., 601 W. 5th St., Los An-
geles 13, Calif.

15 36
★HESS & Barker, 212 S. Darien Street, Philadelphia
7, Pa.

1 36 7
HOBBS Manufacturing Company, 26 Salisbury St.,
Worcester 5, Mass.

9
★HOE, R., & Co., Inc., 910 E. 138th St., New York

2
HOOPER, F. X., Co., Inc., Glen Arm, Md.

3 20
35
IMPERIAL Lithograph Press Corp., 11 W. 42nd St.,
New York 18

15
INTERNATIONAL Paper Box Machine Co., 315
Main St., Nashua, N. H.

3
LINE-O-SCRIBE, Div. Globe Corporation, 400 N.
Michigan Ave., Chicago 11, Ill.

26
LOCKWOOD'S, Inc., Div. New Era Mfg. Co., 373
11th Ave., Paterson 4, N. J.

15 16 17 31
MAKATAG Company, 2 Linden St., Reading, Mass.

29
MEISEL Press Mfg. Co., 944 Dorchester Ave., Bos-
ton 25, Mass.

2 3 4 9 11
14 15 15 17 18 26 29
36

MARKEM Machine Co., Congress St., Keene, N. H.

30
MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pitts-
burgh 13, Pa.

8
★MILLER Printing Machinery Co., 1117 Reedsdale
St., Pittsburgh 12, Pa.

3 5 15 16 17
NAZ-DAR Company, 469 Milwaukee Ave., Chicago

27
★NEW Era Mfg. Co., 375 11th Ave., Paterson 4

3 15 16 17 29 30
23 37
PACKER Mfg. Co., Green Bay, Wis.

15
PAPER Converting Machines Co., 601 Harvey St.,
Green Bay, Wis.

1 2 3 4 5 6 7
15 17

PAPERLESS Labellers, Inc., 304 N. Columbus St.,
Lancaster, Ohio

15
PEARCE Development Co., 1606 E. 30th St., Cleve-
land 14, Ohio

15 6 29 31
POST Manufacturing Works, 671 Diversy Parkway,
Chicago 14, Ill.

9
POTDEVIN Machine Co., 1221 38th St., Brooklyn 18

1 4 15 17 7
36

ROTOGRAVURE Engineering Co., 299 Marginal St.,
East Boston 28, Mass.

4 12 36
RUTHERFORD Machinery Co., Div. Sun Chemical
Corp., 10th St. & 44th Ave., Long Island City 1,
N. Y.

3 19 32
27
RYAN, E. G., Co., 727 So. Dearborn St., Chicago, Ill.

9
15 17 27

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33
34 35 36

SANDY HILL Iron & Brass Works, 27 Allen St.,
Hudson Falls, N. Y.

3 4 6 7
12 15 17
SCHMUTZ Mfg. Co., Inc., 1600 W. Main St., Louis-
ville, Ky.

19
SCOTT, J. B., 4048 Camelia Ave., St. Louis, Mo.

31
SELECTASINE Corp., 2738 Van Buren St., Chicago

27
SOUTHWORTH Machine Co., 30 Warren Ave.,
Portland, Maine

9
STOESSEL Machine Mfg. Corp., 534 W. 35th St.,
New York 1, N. Y.

4 14 15 30
SWIFT, George W., Inc., 7 Ward St., Bordentown,
N. J.

3 6
VERNER, B., & Co., 52 Duane St., New York 7

9 14 17 29
WALDRON, John, Corp., New Brunswick, N. J.

1 24 36
★WESTERN Printing Machinery Co., 3519 N.
Spaulding St., Chicago, Ill.

3
WILLSEA Works, 371 Saint Paul St., Rochester 5,
N. Y.

3
YOUNG Engineering Co., 2429 N. Sheffield, Chicago

1 2 3 6 9
25 15 16 17 29 31

PRINTING FRAMES

(Also see Vacuum Printing Frames)

★AMERICAN Type Founders, 200 Elmora Ave., Eliz-
abeth B, N. J.

BEATTIE Process Camera Corp., 210 Fulton St., New
York 8, N. Y.

BRIDGEPORT Engravers Supply Co., 451 Atlantic
Ave., Boston, Mass.

★CHEMCO Photoproducts Co., New Street, Glen
Cove, N. Y.

★DOUTHITT Corporation, The, 680 E. Fort St.,
Detroit 26, Mich.

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland
5, Ohio

MILLER-Trojan Co., Inc., 1983 W. Main St., Troy,
Ohio

MT. VERNON Presses, Mt. Vernon, N. Y.

RUTHERFORD Machinery Co., Div. Sun Chemical
Corp., 10th St. & 44th Ave., Long Island City 1

RYAN, E. G., Co., 727 S. Dearborn, Chicago, Ill.

SULLEBARGER, E. T., Co., 110 Fulton St., New
York 7, N. Y.

PRINTING PAPER, SENSITIZED

DEFENDER Photo Supply Co., Inc., 666 Driving Pk.
Ave., Rochester 13, N. Y.

★EASTMAN Kodak Co., 343 State St., Rochester 4,
N. Y.

HALOID Co., The, 2-20 Haloid St., Rochester 3

KLEEN-Stik Products, Inc., 225 N. Michigan, Chi-
cago, Ill.

PUMPS, INK AND OIL

ANCHOR Chemical Co., Inc., 829 Bergen St., Brook-
lyn 16, N. Y.

BOWSER, S. F., & Co., 1302 Creighton Ave., Ft.
Wayne, Ind.

DUDLEY, Kenneth E., Co., Box 806, Hagerstown,
Md.

FAIRBANKS, Morse & Co., 900 S. Wabash, Chicago

GAST Mfg. Co., 113 Hinkley St., Benton Harbor,
Mich.

★HOE, R., & Co., Inc., 910 E. 138th St., New York
54, N. Y.

NEW Jersey Machine Corp., 15th & Willow Ave.,
Hoboken, N. J.

PUNCHES, PRESS

(See Ejector Press Punches)

PUNCHING AND ROUND CORNERING MACHINES

ALTAIR Machinery Corp., 55 Vandam St., New York
13, N. Y.

★AMSTERDAM Cont'l Types & Graphic Equip., Inc.,
44 Whitehall St., New York 4, N. Y.

BERRY Machine Co., 716 N. First St., St. Louis, Mo.

★CHALLENGE Machinery Co., Grand Haven, Mich.

CRAFTSMAN Machinery Co., 575 Atlantic Ave.,
Boston, Mass.

G. B. C. Manufacturing Co., 812 Belmont Ave., Chi-
cago 14, Ill.

GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago

LASSCO Products, Inc., 485 Hague St., Rochester,
N. Y.

★LAWSON, E. P. Co., Inc. 426 W. 33rd St., New York 1, N. Y.
 MICK, Walter K., Co., 500 Robert St., St. Paul 1, Minnesota
 NYGREN-Dahly Co., Inc., 1422 W. Altgeld St., Chicago, Ill.
 PLEGER, John J., Co., 613 W. 16th St., Chicago 16
 ★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
 ★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
 ★ROSBACK, F. P., Co., 5th & Park Sts., Benton Harbor, Mich.
 SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Me.
 SPIRAL Binding Co., 406 W. 31st St., New York 1
 ★STANDARD Tag Co., 116 Duane St., New York, N. Y.

PUNCH PRESSES

WALSH Press & Die Co., 4737 W. Kinzie St., Chicago 44, Ill.

PYROMETERS (See Temperature Control and Indicators, Metal)



QUOINS AND KEYS

1 Keys
 2 Quoins
 1 2
 AMERICAN Wood Type, 35 W. 3rd St., New York 12, N. Y.
 ★CHALLENGE Machinery Co., Grand Haven, Mich.
 1 2
 HEMPEL, H. A., 110 Pearl St., Buffalo 2, N. Y.
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 1
 MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N. Y.
 1 2
 ★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
 ★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
 1 2
 STEPHENS, Samuel, and Wickersham Co., 174 High St., Boston 10, Mass.
 1 2
 TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn 1
 WARNOCK, W. S., Co., 1524 Jonquil Terrace, Chicago 26, Ill.
 2



REFRIGERATING EQUIPMENT

AIRTEMP Division Chrysler Corp., 1600 Webster St., Dayton, Ohio
 CARRIER Corporation, S. Geddes St., Syracuse 1
 ★CHEMCO Photoproducts Co., New Street, Glen Cove, N. Y.
 GENERAL Electric Co., 1 River Road, Schenectady 5
 TRANE Co., La Crosse, Wis.
 WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

REGISTERING SYSTEMS

CARLSON Co., The, 15 Hathaway St., Boston 10
 ★CHALLENGE Machinery Co., Grand Haven, Mich.
 ★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago, Ill.
 ★COTTRELL, C. B., & Sons Co., 25 E. 26th St., New York 10, N. Y.
 CRAFTSMEN Line-up Table Corp., 49 River St., Waltham 34, Mass.
 HEINRICH, H. H., Inc., 200 Varick St., New York
 ★HESS & Barker, 212 S. Darien St., Philadelphia 7
 HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.
 ★LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.
 OLSEN Mark Corp., 124 White St., New York 13
 ★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
 TAYLOR Machine Co., 210 Guilford Ave., Baltimore
 WOOD Newspaper Machinery Corp., 501 Fifth Ave., New York 17, N. Y.

REPRODUCTION PROOFING SYSTEM

TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn
 ★VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.

RIVETING MACHINES

STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N. Y.

ROLLER CORES, BALL BEARING

HART, Wm. C., Co., 137 Greene St., New York
 MOTOR City Roller Co., 448 E. Lafayette, Detroit 26

ROLLER, INKING, COATING MACHINES

★BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago 5, Ill.
 IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
 ROSS, Charles & Son, Co., 148-156 Classon Ave., Brooklyn, N. Y.

ROLLER, INKING, CONDITIONING DEVICE

BLACK Rock Mfg. Co., 177 Osborne St., Bridgeport 5, Conn.
 ★PAASCHE Airbrush Co., 1900 Diversey Parkway, Chicago 14, Ill.

ROLLER SECTIONING MACHINE (For "Split" Rollers)

★BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago, Ill.
 IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.

ROLLER SPRAYS

(See Anti-Offset Equipment)

ROLLER TRUCKS, EXPANSION

COWAN Pressroom Products, Inc., 1651 Cosmo St., Hollywood 28, Cal.
 MOTOR City Roller Co., 448 E. Lafayette, Detroit 26
 RAPID Roller Co., 2558 S. Federal St., Chicago 16, Ill.

ROLLER WASHING MACHINES

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
 CLEAN-A-Press Machine Co., Box 264, Des Moines 1
 GEGENHEIMER, Wm., 80 Roebing St., Brooklyn
 HOLLINGSWORTH, Wm., Machine Co., 227 Holiday St., Baltimore 2, Md.
 INTERNATIONAL Press Cleaner & Mfg. Co., 112 Hamilton Ave., Cleveland, Ohio

ROLLERS

1 Composition
 2 Covered
 3 Folding Machine
 4 Gravure
 5 Hand
 6 Offset-Lithographic
 7 Proofing
 8 Rubber-Natural
 9 Rubber-Synthetic
 10 Vulcanised Oil
 1 2 3 4 5 6 7 8 9 10
 ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Road, Cleveland, Ohio
 ★AMERICAN Roller Co., 1342 N. Halsted St., Chicago 22, Ill.
 1 2 3 4 5 6 7 8 9
 AMERICAN Wringer Co., Inc., Social St., Woonsocket, R. I.
 BEN DAY, Inc., 118 East 28th St., New York 16
 1 2 3 4 5 6 7 8 9 10
 BINGHAM Brothers, Inc., 406 Pearl St., New York
 ★BINGHAM'S, Sam'l, Son Mfg. Co., 636 S. Sherman St., Chicago 5, Ill.
 1 2 3 4 5 6 7 8 9 10
 CALIFORNIA Ink Co., 545 Sansome St., San Francisco 11, Cal.
 1 2 3 4 5 6 7 8 9 10
 CORKPAK Co., Inc., 45 South St., Mount Vernon, N. Y.
 1
 CRONITE Co., 35 Park Pl., New York 7, N. Y.
 DAYTON Rubber Mfg. Co., 2342 W. Riverview Ave., Dayton, Ohio
 1 2 3 4 5 6 7 8 9 10
 DU PONT, E. I., de Nemours & Co., Inc., Neoprene Div., Wilmington, Del.
 1 2 3 4 5 6 7 8 9
 FUCHS & Lang, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 GODFREY Roller Co., 215 N. Camac St., Philadelphia 7, Pa.
 1 2 3 4 5 6 7 8 9
 GOODRICH, B. F., Co., 500 S. Main St., Akron 18
 1 2 3 4 5 6 7 8 9
 GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio
 1 2 3 4 5 6 7 8 9
 HARRIGAN Roller Co., Inc., 311 Guilford Ave., Baltimore 2, Md.
 1 2 3 4 5 6 7 8 9 10
 HART, Wm. C., Co., Inc., 137 Greene St., New York 12, N. Y.
 1 2

1 2 3 4 5 6 7 8 9 10
 IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
 1 2 3 4 5 6 7 8 9 10
 MILWAUKEE Printers Roller Co., 422 S. Fourth St., Milwaukee 4, Wis.
 1
 MINTON, Louis, Ltd., c/o Dan J. Casey, Jr., 80 Warren St., New York 7, N. Y.
 1 2 3 4 5 6 7 8 9
 MOTOR City Roller Co., 448 E. Lafayette St., Detroit 26, Mich.
 1 2 3 4 5 6 7 8 9
 NATIONAL Roller Co., 307 Pearl St., New York 7
 1 2 3 4 5 6 7 8 9 10
 OHIO Roller Co., 4408 Detroit Ave., Cleveland 13
 1 2 3 4 5 6 7 8 9
 OSGOOD-Globe Corp., 33 Purchase St., Boston 10
 1 2 3 4 5 6 7 8 9
 PAVYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
 1 2 3 4 5 6 7 8 9
 RAPID Roller Co., 2558 S. Federal St., Chicago 16
 1 2 3 4 5 6 7 8 9 10
 RAYBESTOS-Manhattan, Inc., 61 Willet St., Passaic 2
 ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.
 1 2 3 4 5 6 7 8 9
 ROSENER, Joseph, Co., 243 Vallejo St., San Francisco 11, Cal.
 1 2 3 4 5 6 7 8 9
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
 1 2 3 4 5 6 7 8 9
 STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
 1 2 3 4 5 6 7 8 9
 THIKOL Corporation, 780 N. Clinton Ave., Trenton, N. J.
 1 2 3 4 5 6 7 8 9 10
 TWIN City Printers Roller Co., 505 S. 3rd St., Minneapolis 15, Minn.
 UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.
 1 2 3 4 5 6 7 8 9
 WILD & Stevens, Inc., 5 Purchase St., Boston 10
 1 2 3 4 5 6 7 8 9 10
 WINN & GOODMAN, 440 Sansome St., San Francisco 11
 1 2 3 4 5 6 7 8 9 10

ROLL LEAF CUTTERS

COUGHLIN Mfg. Co., 697 E. 132nd St., New York 54, N. Y.
 GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 East 21st St., New York 10, N. Y.
 PEEERLESS Roll Leaf Co., Inc., 4511 New York Ave., Union City, N. J.

ROTARY PRESS KNIVES

COES, Loring, Company, 72 Coes St., Worcester 3
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 SIMONDS Saw & Steel Co., 470 Main Street, Fitchburg, Mass.
 SIMONDS Worden White Co., 604 Negley Place, Dayton 7, Ohio

ROTOGRAVURE CYLINDER MARKING MACHINE (See Marking Machine, Rotogravure)

ROUGHING MACHINES

(See Embossing Machines, Roller)

ROUND CORNERING MACHINES (See Punching and Round Cornering Machines)

ROUTING MACHINES

1 Line Slugs
 2 Relief Plates
 3 Router Bits
 1 2 3
 ★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
 1
 AURORA School of Photoengraving, Aurora, Mo.
 2
 AUTOMATIC Saw Sharpening Co., 735 E. Ohio St., Indianapolis 2, Ind.
 ★CHALLENGE Machinery Co., Grand Haven, Mich.
 1 2 3
 CHICAGO Wheel & Mfg. Co., 1101 W. Monroe St., Chicago 7, Ill.
 2
 GOSS Printing Press Co., 1535 So. Paulina St., Chicago 8, Ill.
 3

- 1 2 3
★HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 34, Mich.
- 2 3
★HOE, R., & Co., Inc., 910 E. 138th St., New York 2
- 2
MARGACH Mfg. Co., Inc., 82 Beekman St., New York, N. Y.
- 1
MILWAUKEE Saw-Trimmer Co., 612 E. Clybourn St., Milwaukee 2, Wis.
- 2
MORRISON Co., 125 W. Melvina St., Milwaukee, Wis.
- 2
NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.
- 2
ONSRUD Cutter Mfg. Plant, Libertyville, Ill.
- 2 3
ONSRUD Machine Works, Inc., 3900 W. Palmer St., Chicago 47, Ill.
- 2 3
OSTRANDER-Seymour Co., 4703 W. Arthington St., Chicago, Ill.
- 2
PIONEER-Toledo Corp., 1212 Jackson St., Toledo 2
- 1 2 3
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
- 1 2 3
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.
- 2
TARPLEY, George, Co., Box 2401, Cleveland 12
- 3
ZANETTI Machine Works, Inc., 1630 Jerrold Ave., San Francisco 24, Cal.

RUBBER STAMP MACHINERY

- ★AMERICAN Evatype Corp., Deerfield, Ill.
- ELECTRO-Copyist, Inc., 205 E. 42nd St., New York 17, N. Y.
- ★LAKE Erie Engineering Corp., Riverview & Woodward Ave., Buffalo 17, N. Y.
- STEREOTEX Machinery Co., 322 Main St., Stamford, Conn.

RULE

- 1 Brass
2 Cutting, Creasing, and Perforating
3 Steel
- 1 2 3
ALVIN Company, 215 West 20th St., New York 11
- 2
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth B, N. J.
- 1 2 3
ATKINS, E. C., & Co., 402 S. Illinois St. Indianapolis 9, Ind.
- 2
DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.
- 2 3
HELMOLD, J. F., & Brothers, 1462 W. Shakespeare Ave., Chicago 14, Ill.
- 2
★LOS Angeles Type & Rule Co., 225½ E. Pico Blvd., Los Angeles, Calif.
- 2
LUDWIG-Duell Co., 30 Beekman St., New York 7
- 1 2
MARKEL Products Co., 100 Gold St., New York 7
- 2 3
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
- 1 2 3
SIMONDS Saw and Steel Co., 470 Main St., Fitchburg, Mass.
- 2
STEWART, Don, Co., 441 Clay St., San Francisco 11
- 2
TAYLOR-Made Rule Company, 65 Flatbush Ave., Brooklyn 17, N. Y.
- 2 3
★UNIVERSAL Mono-Tabular Corp., 418 N. St. Paul St., Dallas 1, Tex.

RULE CASTERS

(See Composing Machines)

RULE, STEEL, BENDERS AND CUTTERS

- AA-1 Steel Rule Die Service, 538 S. Dearborn St., Chicago 5, Ill.
- HELMOLD, J. F., & Brothers, 1462 W. Shakespeare Ave., Chicago 14, Ill.
- ★RICHARDS, J. A., Co., Kalamazoo 13F, Mich.

RULING MACHINES

- ★AMSTERDAM Cont'l Types & Graphic Equip., Inc., 44 Whitehall St., New York 4, N. Y.
- DREDGE, A., Ruling Pen Co., 350 W. 31st St., New York 1, N. Y.
- ★HAMILTON Tool Co., 900 Hanover, Hamilton, Ohio
- HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
- ★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N. Y.
- LINDBLADH Corp., (Subsidiary of Miami Industries, Inc.), 201 Morris St., Toledo 3, Ohio
- ★MCADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.



SAFES, FIREPROOF

- EMPIRE Safe Co., 245 Canal St., New York 13

SALES BOOKS & TAGS

- ★ENNIS Tag & Salesbook Co., Ennis, Texas

SAWS, PLANERS, SHARPENERS

- 1 Block Levellers, Planers
2 Odd Measure
3 Planer Knives
4 Saw Blades
5 Saw Sharpeners
6 Saw Swaging Machines
7 Saw Trimmers
8 Saws, Band
9 Saws, Circular, Filing Machine
10 Saws, Die-Makers
11 Saws, Mitering
- 1 2 3 4 5 6 7 8 9 10 11
★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.
- 4 5 7 8 10 11
ATKINS, E. C., & Co., 402 S. Illinois St., Indianapolis 9, Ind.
- 4 5
BOICE-Crane Co., 930 W. Central Ave., Toledo 6
- 3 4 8 11
CHAPMAN Knives & Saws, Inc., 504 S. Broadway, St. Louis 2, Mo.
- 4 5 8
DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.
- 3 4 8 9 10 11
★FOSTER Mfg. Co., 123 N. 13th St., Philadelphia 7, Pa.
- 4 7
FOLEY Manufacturing Co., 11 Main St., N. E., Minneapolis 13, Minn.
- 5 9
GOSS Printing Press Co., 1535 So. Paulina St., Chicago 8, Ill.
- 7
★HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 34, Mich.
- 4 7
HEATON & Anderson Div., 500 Como Ave., St. Paul 3, Minn.
- ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
- 1 3 4 8 9
★MILLER Printing Machinery Co., 1117 Reedsdale Ave., Pittsburgh 12, Pa.
- 7
MILWAUKEE Saw-Trimmer Corp., 612 E. Clybourn St., Milwaukee 2, Wis.
- 7
MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 3, Kan.
- 11
MOHR Lin-Saw Co., 126 N. Union Ave., Chicago 6
- 2
MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N. Y.
- 7
MORRISON Co., 125 W. Melvina St., Milwaukee 12, Wis.
- 7
NATIONAL Saw Sharpening Co., 316 E. Ohio St., Indianapolis 4
- 4
NESLON, C. B., Co., 508 S. Kolmar Ave., Chicago 5
- 4
NOLAN Corporation, 1333 E. Dominick St., Rome, N. Y.
- 7
OSTRANDER-Seymour Co., 4703 W. Arthington, Chicago, Ill.
- 7
PIONEER-Toledo Corp., 1212 Jackson St., Toledo 2, Ohio
- 4 7
RALYA Saw Corp., 109 W. Second St., Cincinnati 2
- 8
★RICHARDS, J. A., Co., Kalamazoo 13F, Mich.
- 1 4 7 10 11
ROGERS, Samuel C., & Co., 191 Dutton Ave., Buffalo 11, N. Y.
- 5 9
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
- 2 8
SAW & Knife Specialty Co., 6526 Carnegie Ave., Cleveland 3, Ohio
- 4 5
SIMONDS Saw and Steel Co., 470 Main St., Fitchburg, Mass.
- 3 4 8
TESCH Mfg. Co., 1220 W. Wisconsin Ave., Appleton, Wis.
- 5 6 7
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio
- 4 7 11
★VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.
- 1
WALLIN Printers Supply Co., 309 S. 13th St., Omaha 2, Nebr.

- 1 2 3 4 5 6 7 8 9 10 11
WARDWELL Mfg. Co., 3167 Fulton Rd., Cleveland 9, Ohio
- 5 6
WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.
- 4 7

SCALES

- 1 Platform
2 Postal
3 Paper
- AMTHOR Testing Instrument Co., 52A Van Sinderen Ave., Brooklyn 7, N. Y.
- 3
CADY, E. J., & Co., 134 N. La Salle St., Chicago 2, Ill.
- 3
DETECTO Scales Inc., 540 Park Ave., Brooklyn 5, N. Y.
- 1 2
FAIRBANKS, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
- 1 2
PITNEY-Bowes, Inc., 757 Pacific St., Stamford, Conn.
- 2
TESTING Machines, Inc., 427 W. 42nd St., New York 18, N. Y.
- 2
TOLEDO Scale Co., Toledo 12, Ohio
- 1 2
YALE & Towne Mfg. Co., 4530 Tacony Street, Philadelphia, Pa.
- 1 2 3

SCREENS, HALFTONE

- BRIDGEPORT Engravers Supply Co., 30 Grand St., Bridgeport 2, Conn.
- ★DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Mich.
- ★EASTMAN Kodak Company, 343 State St., Rochester 4, N. Y.
- HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.
- ★LANSTON Monotype Machine Co., 24th & Locust, Philadelphia 30, Pa.
- LEVY, Max, & Co., Wayne Ave. & Berkley St., Philadelphia, Pa.
- MOORE Laboratories, 70 W. Montcalm, Detroit 1
- PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
- ROBERTSON, R. R., 3069 N. Elston Ave., Chicago
- ★RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.

SCREENS, JUXTAPOSING

- HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N. Y.

SEALING MACHINES, SEALS

- FULLER, E. C., Co., 28 Reade St., New York, N. Y.
- SEAL-O-Matic Machine Mfg. Corp., Chestnut & S. Main Sts., So. Hackensack, N. J.

SEALING MACHINES, TAPE

- BETTER Packages, Inc., Shelton, Conn.
- CHICAGO Gum Tape Co., 855 W. Adams St., Chicago 7, Ill.
- DRY-Tab Package Sealer Co., 4614 Prospect Ave., Cleveland, Ohio
- GUMMED Tape & Devices Co., 1318 60th St., Brooklyn, N. Y.
- NASHUA Gummed & Coated Papers, 44 Franklin St., Nashua, N. H.
- NASHUA Package Sealing Co., Inc., 44 Franklin St., Nashua, N. H.
- SEAL-O-MATIC Machine Mfg. Co., 225 Varick St., New York 14, N. Y.

SEWING MACHINES AND NEEDLES

- ALTAIR Machinery Corp., 35 Vandam St., New York 13, N. Y.
- CHICAGO Mch. Lab., 2719 S. Poplar Ave., Chicago 8, Ill.
- GELMAN Mfg. Co., 1700 1st St., Rock Island, Ill.
- OVERSEWING Machine Co., 368 Congress St., Boston 10, Mass.
- SINGER Manufacturing Co., 109 Trumbull St., Elizabethport F, N. J.
- SMYTH Mfg. Co., 9 Sigourney St., Hartford, Conn.
- UNION Special Machine Co., 402 N. Franklin St., Chicago, Ill.

SHADING MEDIUMS

- BEN DAY, Inc., 118 East 28th St., New York 16, N. Y.
- CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
- PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
- TINTOGRAPH Co., The, 53 Park Row, New York 7

SHAVING, BORING AND PLANING MACHINES, FLAT PLATES

- ★COTTRELL, C. B., & Sons Co., Westerly, R. I.
- GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
- ★HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 34, Mich.
- ★HESS & Barker, 212 S. Darien St., Philadelphia, Pa.
- ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
- MONONELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.

★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo, Mich.
STA-HI Corporation, 235 W. Washington Blvd., Whittier, Calif.
STEREOTEX Machinery Co., P. O. Box 167, Stamford, Conn.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago, Ill.
WESEL Mfg. Co., 1141 W. Washington, Scranton, Pa.

SHAVING MACHINE, ROTARY HEAD, ELECTROTYPERS'

★HESS & Barker, 212 S. Darien St., Philadelphia, Pa.
MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
OSTRANDER-Seymour Co., 4703 W. Arthington St., Chicago, Ill.
STEREOTEX Machinery Co., 322 Main St., Stamford, Conn.
WILLIAMSON & Company, Inc., Passaic Ave., Caldwell, N. J.

SHEARS FOR STEREOTYPE MATS AND ELECTROTYPE SHELLS

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
★HOE, R. & Co., Inc., 910 E. 138th St., New York 54, N. Y.

SHELVING

BERGER Mfg. Div., Republic Steel Corp., 1038 Belden Ave., N. E., Canton 3, Ohio
EQUIPTO, Div. Aurora Equipment Co., Aurora, Ill.
LYON Metal Products, Inc., 1134 Madison, Aurora, Ill.
UNITED SHOE Machinery Corp., 140 Federal St., Boston 7, Mass.

SHOOT BOARDS

★CHALLENGE Machinery Co., Grand Haven, Mich.
★HOE, R. & Co., Inc., 910 E. 138th St., New York 54, N. Y.
WARNOCK, W. S., Co., 1524 Jonquil Terrace, Chicago 26, Ill.
WESEL Mfg. Co., 1141 N. Washington, Scranton, Pa.

SILK SCREEN EQUIPMENT AND SUPPLIES

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
BROWN Lindsay Paint Co., 2601-75 W. Grand Ave., Chicago 12, Ill.
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
★DOUTHITT Corp., The, 650 W. Baltimore Ave., Detroit 2, Mich.
GOODYEAR Tire & Rubber Co., The, 1144 E. Market St., Akron 16, Ohio
NAZ-DAR Company, 469 Milwaukee Ave., Chicago
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
ROBERTSON, R. R., 400 W. Madison St., Chicago 6
RUXTON Products, Inc., Div. Interchemical Corp., 407 E. Eighth St., Cincinnati, Ohio
SELECTASINE Corp., 2738 Van Buren St., Chicago 12, Ill.
SHERWIN Williams Co., 101 Prospect, Cleveland 1
SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

SILVER SPRAY EQUIPMENT FOR ELECTROTYPING

MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
STEREOTEX Machinery Co., Box 167, Stamford, Conn.
WILLIAMSON & Company, Inc., Passaic Ave., Caldwell, N. J.

SKIVING MACHINES

GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
LESTER & Wasley Co., Inc., 513 N. Main St., Norwich, Conn.
UNITED SHOE Machinery Corp., 140 Federal St., Boston 7, Mass.
YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

SLITTING AND REWINDING EQUIPMENT

ATKINS, E. C., & Co., 402 Illinois St., Indianapolis 9
BECK, Charles, Corporation, 414 North 13th St., Philadelphia 8, Pa.
CAMERON Machine Co., 61 Poplar St., Brooklyn 2, Chambers St. Co., Inc., 52nd & Media Sts., Philadelphia, Pa.
CHAMPLAIN Co., Inc., 626 Eleventh Ave., New York 19, N. Y.
CLINE Electric Mfg. Co., 400 W. Madison St., Chicago 6, Ill.
DAVIDSON Perforator Co., P. O. Box 1235, New Haven 3, Conn.
DITZ Machine Works, 126 W. Fontaine St., Philadelphia, Pa.
FORD Instrument Co., 31-10 Thomson Ave., Long Island, N. Y.
★HAMILTON Tool Co., 900 Hanover St., Hamilton, Ohio
HOBBS Mfg. Co., 26 Salisbury St., Worcester 3, Mass.
HOOPER, F. X., Co., Inc., Glen Arm, Md.
INMAN Mfg. Co., Inc., Amsterdam, N. Y.

JACQUES, John, & Son, 93 Webster St., Worcester, Mass.
KIDDER Press Co., Inc., 121 Broadway, Dover, N. H.
KNOWLTON, M. D., Co., 28 Industrial St., Rochester, N. Y.
KOHLER Systems Co., The, 159 E. Chicago Ave., Chicago 11, Ill.
★McADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.
MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.
PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.
PARRY, S. R., Machine Co., 224 Mill St., Rochester, N. Y.
★ROSBACK, F. P., Co., Fifth & Park Sts., Benton Harbor, Mich.
SIMONDS Worden White Co., 607 Negley Pl., Dayton 7, Ohio
STAUBE, E. G., Mfg. Co., 2675 University Ave., St. Paul, Minn.
SWIFT, Geo. W., Jr., Inc., 7 Ward St., Bordentown, N. J.
WALDRON, John, Corp., River Rd., New Brunswick, N. J.
YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

SLUG CORRECTOR

CURLE Manufacturing Co., 500 Sansome St., San Francisco, Cal.

SLUG HIGH SINKERS

BANCROFT, Ralph, Co., 305 S. Fifth St., Minneapolis 15, Minn.

SPINNERS, GROMMETS, Etc.

GRAMMES, L. F., & Sons, Inc., Allentown, Pa.
STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 3, N. Y.

SQUEEGEE MACHINES, ROTOGRAVURE CYLINDER

★HOE, R. & Co., Inc., 910 E. 138th St., New York 54, N. Y.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

SQUEEGEES, SILK SCREEN

GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio
METZGER, Alfred E., 30 Irving Place, New York 3
NAZ-DAR Co., 469 Milwaukee Ave., Chicago 10
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

STAMPER, BENCH LEVER

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N. Y.
GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago 7, Ill.
GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 East 21st St., New York 10, N. Y.
OLSEN Mark Corp., 124 White St., New York 13
PLEGER, John J., 613 W. 16th St., Chicago 16, Ill.

STANDING PRESSES, BINDERY

BERRY Machine Co., 716 N. First St., St. Louis, Mo.
GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
HICKOK, W. O., Mfg. Co., Box 425, Harrisburg, Pa.
STANDARD Machinery Co., The, Mystic, Conn.

STAPLING MACHINES (Also see: STITCHERS, WIRE)

ACME Staple Co., 1643 Haddon Ave., Camden, N. J.
ACME Steel Co., 2840 Archer Ave., Chicago
★AMSTERDAM Cont'l Types & Graphic Equip., Inc., 44 Whitehall St., New York 4, N. Y.
BATES Mfg. Co., The, 18 Central Ave., Orange, N. J.
BOSTITCH, Mechanic St., Westerly, R. I.
FASTENER Corp., 860 Fletcher St., Chicago 14, Ill.
HELLER Co., The, 2135 Superior Ave., Cleveland 6
HOTCHKISS, E. H., Co., 10 Hoyt St., Norwalk, Conn.
NELSON, CL BL, Co., 508-14 S. Kolmar Ave., Chicago 24
SPEED Products Co., Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.
WILSON-JONES Co., 3300 W. Franklin, Chicago

STATIC ELIMINATORS

ABBEON Supply Co., 58-10 41 Drive, Woodside, New York City, N. Y.
★CHAPMAN Elec. Neutralizer Co., Box 268, Portland 6, Me.
CRAIG Corporation, 143 W. 20th St., New York 11
DOYLE, J. E., Co., 1220 W. 6th St., Cleveland 13, Ohio
★HERBERT Products, Inc., 74-32 Jamaica Ave., Woodhaven 21, N. Y.
HEWSON Co., The John, 106 Water St., New York 5
INDIANA CHEMICAL & Mfg. Co., 317 S. Alabama St., Indianapolis 25, Ind.
KIDDER Press Co., Inc., Dover, N. H.
MAXSON Automatic Mch. Co., 98 Granite St., Westerly, R. I.
MERIX Chemical Co., 1021 E. 55th St., Chicago 15, Ill.

MODERN Equipment Company, 2007-11 Coming, Omaha, Neb.
SIMCO Co., The, 920 W. Master St., Philadelphia 22
STA-HI Corporation, 1235 W. Washington Blvd., Whittier, Calif.
STATIC Eliminator and Printing Press Hoster Co., 239 Centre St., New York 13, N. Y.
TAKK Corp., The, Newark, Ohio
★U. S. RADIUM Corp., 535 Pearl St., New York 7, N. Y.
WESTERN Brush Company, 217 S. Western Ave., Chicago, Ill.
WICKWIRE Spencer Steel Co., 41 E. 42nd St., New York, N. Y.

STEEL RULE CUTTING DIES

★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N. Y.
AMERICAN Fabricator, 22 W. 21st St., New York 10, N. Y.
ARTISTIC Die Mfg. Co., 2306 W. 8th St., Cincinnati
CUTWELL Steel Rule Die Co., 10 W. 20th St., New York 10, N. Y.
FREEDMAN Die Cutters, Inc., 10 W. 20th St., New York 11, N. Y.
HALE, Frank D., 64 Tonnelle Ave., Jersey City 6, N. J.
PAPKE, Wm., & Son, 434 Elm St., Cincinnati 2, Ohio
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.

STEEL STRAPPING

ACME Steel Co., 2840 Archer Ave., Chicago 8, Ill.
SIGNODE Steel Strapping Co., 2600 N. Western Ave., Chicago 47, Ill.

STEREOTYPE SUPPLIES, GUMMED TAPE, PACKING STRIPS, PARTING POWDER

BURGESS Cellulose Co., Freeport, Ill.
CERTIFIED Dry Mat Corp., 9 Rockefeller Plaza, New York 20, N. Y.
CORKPAK Co., The, 45 South St., Mt. Vernon, N. Y.
COYNE & Paddock, Inc., 48-15 32nd Place, Long Island City, N. Y.
FLEXIDEAL Dry Mat Co., 25 E. 26th St., New York
★HOE, R. & Company, 910 E. 138th St., New York 54, N. Y.
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.
UNITED Stereotype and Supply Co., Box 38, West Lynn, Mass.
WOOD Flong Corp., 551 Fifth Ave., New York 17

STIPLING MACHINES

(See Embossing Machines, Roller)

STITCHERS, WIRE

ACME Steel Co., 2840 Archer Ave., Chicago 8, Ill.
BOSTITCH, Mechanic St., Westerly, R. I.
CHICAGO Machinery Laboratory, 2719 S. Poplar Ave., Chicago 8, Ill.
CHRISTENSEN Machine Co., The, 100 Fourth St., Racine, Wis.
GANE Bros. & Lane, 1335 W. Lake St., Chicago, Ill.
HELLER Co., The, 2135 Superior Ave., Cleveland 6
HOFFERT Machine Co., 718 Marquette St., Racine, Wis.
HOTCHKISS, E. H., Co., 10 Hoyt St., Norwich, Conn.
INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.
JONES, James H., Co., 130 N. Clinton St., Chicago 6
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N. Y.
NEW Jersey Wire Stitching Machine Co., 608 S. Second St., Camden, N. J.
NYGREN-Dahly Co., 1422 W. Altgeld St., Chicago
PABICH, W. R., Mfg. Co., 2855 N. Rockwell St., Chicago 18, Ill.
★ROSBACK, F. P., Co., Fifth & Park Sts., Benton Harbor, Mich.
SHERIDAN, T. W. & C. B., 129 Lafayette St., New York 13, N. Y.

STITCHING WIRE FEEDERS

ACME Steel Co., 2840 Archer Ave., Chicago
BOSTITCH, Mechanic St., Westerly, R. I.
CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N. Y.
★ROSBACK, F. P., Co., Fifth & Park Sts., Benton Harbor, Mich.

STOCK CUTS

ARROW Service, P. O. Box 2217, Salt Lake City 13
COMMERCIAL Cut Co., Inc., 151 W. 23rd St., New York 11, N. Y.
EAST Texas Engraving Co., 322 E. Erwin, Tyler, Tex.
HUX-CUTS, Inc., 80 W. 40th St., New York 18, N. Y.
LUDWIG-Duell Co., 30 Beekman St., New York 7
MERRELL Features, 208 N. Wells, Chicago 6
★SHINN, Cobb, 721 Union St., Indianapolis 4, Ind.

STOCK PHOTOGRAPHS

★SHINN, Cobb, 721 Union St., Indianapolis 4
UNDERWOOD & Underwood, 321 E. 44th St., New York 17, N. Y.

STONES AND GRINDERS

BOICE-Grane Co., 930 Central Ave., Toledo 6, Ohio
 FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp.,
 10th St. & 44th Ave., Long Island City 1, N. Y.
 SENEFFELDER Co., Inc., 32 Greene St., New York 13
 UNITED SHOE Machinery Corp., 140 Federal St.,
 Boston 7

STRIP MATERIAL CASTERS (See Composing Machines)

STRIPPING MACHINES (See Gum- ming, Gluing and Pasting Equip- ment)

SUCTION CUPS

GOODRICH, B. F., Co., 500 S. Main St., Akron 18,
 Ohio
 *HOE, R., & Company, 910 E. 138th St., New York
 54, N. Y.
 IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chi-
 cago 8, Ill.



TABLES AND STANDS

1 Bindery
 2 Case Filling, Electrotyping
 3 Cutting Stands, Gravure
 4 Cylinder Tables, Rotogravure
 5 Elevating Beating, Stereotyping
 6 Imposition
 7 Line-up and Register
 8 Make-up and Storage
 9 Offset-Litho, Layout
 10 Retouching Stands
 11 Stereotype Forms
 12 Stripping
 13 Transfer for Vertical Press
 14 Viewing Stands, Gravure
 15 Work

12 13 14 15
 ALLIED Steel Eqpt. Co., Lapeer, Mich.

ANGLE Steel Stool Co., 309 W. Oak St., Plainwell,
 Mich.

APPLETON Wood Products Co., Inc., Douglas &
 Second Sts., Appleton, Wis.

*BEALL, Jack, Vertical Service, 705 S. Dearborn St.,
 Chicago 5, Ill.

BRIDGEPORT Engravers Supply Co., 30 Grand St.,
 Bridgeport 2, Conn.

BROWN Coating Eqpt. Co., Wellston, Ohio

BROWN, W. A., Mfg. Co., 2035 Charleston St., Chi-
 cago 47

*CHALLENGE Machinery Co., Grand Haven, Mich.

*CHEMCO Photoproducts Co., New St., Glen Cove,
 N. Y.

CONSOLIDATED Photo Engravers Equip. Co., 2155
 W. Wabansia, Chicago 47

CRAFTSMAN Line-up Table Corp., 49-59 River St.,
 Waltham 54, Mass.

EQUIPTO Div. Aurora Eqpt. Co., Aurora, Ill.

GOSS Printing Press Co., 1535 S. Paulina St., Chi-
 cago 8, Ill.

GRAPHIC Arts Accessories, 308 Marquette Bldg.,
 Detroit, Mich.

*HAMILTON Mfg. Co., Two Rivers, Wis.

*HOE, R., & Co., Inc., 910 E. 138th St., New York
 54, N. Y.

*LANSTON Monotype Machine Co., 24th at Locust,
 Philadelphia 3, Pa.

*LOS ANGELES Type & Rule Co., 225 1/2 E. Pico
 Blvd., Los Angeles, Calif.

*LUDLOW Typograph Co., 2032 Clybourn Ave.,
 Chicago 14, Ill.

*MENDES, J. Curry, Corp., 104 Brookline Ave.,
 Boston 15

MISSOURI-Central Type Foundry, 705 E. Murdock
 Ave., Wichita 5, Kan.

1 2 3 4 5 6 7 8 9 10 11
 12 13 14 15
 *MORGANS & Wilcox Mfg. Co., 69 Hanford St.,
 Middletown, N. Y.

NOLAN Corporation, 1333 E. Dominick St., Rome,
 New York

PHILLIPS & Jacobs, 622 Race St., Philadelphia

PITMAN, Harold M., Co., 51st Ave. and 33rd St.,
 Chicago 50, Ill.

PRINTING Equip. Corp., N. Republic Ave., Joliet,
 Ill.

*ROBERTSON, R. R., 3069 N. Elston Ave., Chicago

SOUTHWORTH Machine Co., 30 Warren Ave.,
 Portland, Me.

STANDARD Process Corp., 2704 W. Roscoe St.,
 Chicago, Ill.

STONE, Herman, Co., 324 Harries Bldg., Dayton 2,
 Ohio

TAYLOR Machine Co., 7600 York Rd., Baltimore

THOMPSON Cabinet Co., Ludington, Mich.

*VANDERCOOK & Sons, 900 N. Kilpatrick Ave.,
 Chicago 51, Ill.

WATERWORTH Eng. & Mfg. Co., 2329 Troy St.,
 Dayton 3, Ohio

WESEL Mfg. Co., 1141 N. Washington Ave., Scrant-
 on, Pa.

WESTINGHOUSE Electric Corp., P.O. Box 868,
 Pittsburgh, Pa.

TABLES, COOLING (See Cooling Tables)

TABULAR SYSTEMS (See Composing Machines and Supplies)

TACKERS, HAMMER AND COM- PRESSION TYPE

BOSTITCH, Westerly, R. I.
 FASTENER Corp., 860 Fletcher St., Chicago 14, Ill.

HELLER Co., The, 2135 Superior Ave., Cleveland 6
 HOTCHKISS, E. W., Co., 10 Hoyt St., Norwalk,
 Conn.

SPEED Products Co., Inc., 37-18 Northern Blvd.,
 Long Island City 1, N. Y.

TAG MACHINERY

1 Eyeletting
 2 Knotting, Looping, Stringing
 3 Patching

1 2 3
 ALTAIR Machinery Corp., 55 Vandam St., New York
 13, N. Y.

BATES Mfg. Co., The, 18 Central Ave., Orange, N. J.

GRAEBER Stringing & Wiring Machine Co., Div.
 New Era Mfg. Co., 375 11th Ave., Paterson 4, N. J.

MAKATAG Mfg. Co., 2 Linden St., Reading, Mass.

*STANDARD Tag Co., 116 Duane St., New York,
 N. Y.

STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave.,
 Brooklyn 5, N. Y.

WAKEFIELD Machine Co., Inc., Wakefield, Mass.

YOUNG Engineering Co., 2429 N. Sheffield, Chicago
 14, Ill.

TANKS

BROWN, W. A., Mfg. Co., 2035 Charleston St., Chi-
 cago 47

*CHEMCO Photoproducts Co., New St., Glen Cove,
 N. Y.

CONSOLIDATED Photo Engravers Equip. Co., 2155
 W. Wabansia Ave., Chicago 43, Ill.

*DOUTHITT Corp., The, 680 E. Fort St., Detroit
 26, Mich.

GOODRICH, B. F. Co., 400 S. Main St., Akron 18,
 Ohio

HANSON-Van Winkle-Munning, Matawan, N. J.
 LEEDAL Stainless Steel Products, Inc., 2707 S. Wells
 St., Chicago 16, Ill.

PHILLIPS & Jacobs, 622 Race St., Philadelphia

*ROBERTSON, R. R., 400 W. Madison St., Chicago 6
 *SANDY Hill Iron & Brass Works, 27 Allen Street,
 Hudson Falls, N. Y.

WESEL Mfg. Co., 1141 N. Washington Ave., Scrant-
 on, Pa.

TAPE, ADHESIVE (See Adhesive Tape)

TAPE COUPLERS (See Couplers, Belt and Tape)

TAPE, FEEDER, DELIVERY and FOLD- ER (See Belts, Belting and Tape)

TAPE, GUMMED (See Paper Section Directory)

TAPE, OVERLAY (See Adhesive Tape, Pressure Sensitive)

TEMPERATURE CONTROL AND INDICATORS, METAL

1 Electric Eye
 2 Pyrometers
 3 Thermometers
 4 Thermostats

1 2 3 4
 BRISTOL Co., The, Waterbury, Conn.

*EASTMAN Kodak Co., 343 State St., Rochester
 4, N. Y.

FENWAL, Inc., 100 Main St., Ashland, Mass.

FISHER Furnace Co., 5535 N. Wolcott Ave., Chicago
 40, Ill.

GENERAL Electric Co., 1 River Rd., Schenectady 5,
 N. Y.

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8

*HOE, R., & Co., 910 E. 138th St., New York 54

KEMP, C. M., Mfg. Co., The, 405 E. Oliver St., Balti-
 more, Md.

*LANSTON Monotype Machine Co., 24th & Locust
 Sts., Philadelphia 3, Pa.

*LINOTYPE Parts Co., Weatherly, Pa.

*MERGENTHALER Linotype Co., 29 Ryerson St.,
 Brooklyn 5, N. Y.

MONOMELT Co., Inc., 1611 Polk St., N. E., Min-
 neapolis 13, Minn.

PARTLOW Corp., The, 2 Campion Rd., New Hart-
 ford, N. Y.

POWERS Regulator Co., 2720 Greenview Ave., Chi-
 cago 14, Ill.

ROBERTSHAW Thermostat Co., Youngwood, Pa.

TAYLOR Instrument Companies, Rochester 1, N. Y.

*UNITED American Metals Corp., Corner Calyer &
 Diamond Sts., Brooklyn 22, N. Y.

UNITED Stereotype Supply Corp., Box 38, West
 Lynn, Mass.

WESTON Electric Instrument Corp., 614 Freling-
 huyzen Ave., Newark, N. J.

WILLIAMSON & Company, Inc., Passaic Ave., Cald-
 well, N. J.

ZARKIN Machine Co., 34-19 10 St., Long Island
 City, N. Y.

TESTING INSTRUMENTS (See Gauges and Testing Instru- ments)

THERMOGRAPHIC (RAISED LET- TER) MACHINES AND SUPPLIES

*AMERICAN Type Founders, 200 Elmora Ave., Eliz-
 abeth 8, N. J.

DEVERE Co., 2000 Clark St., Racine, Wis.

EMBOSSOGRAPH Process Co., Inc., 251 William St.,
 New York, N. Y.

FLEXO Mfg. Co., Inc., 35 Howard St., New York

NOLAN Machinery Corp., 1333 E. Dominick St.,
 Rome, N. Y.

STOKES, A., Co., The, Hudson, Ohio

VIRKOTYPE Corp., 111 Rock Ave., Plainfield, N. J.

WILLIAMS, Brown & Earle, 918 Chestnut St., Phila-
 delphia, Pa.

THIN SPACES

*ACME Type Foundry, 633 Plymouth Court, Chi-
 cago 5, Ill.

*AMERICAN Type Founders, 200 Elmora Ave., Eliz-
 abeth 8, N. J.

GRAPHIC Arts Research Foundation, 18 E. Kinzie
 St., Chicago, Ill.

*LOS ANGELES Type & Rule Co., 225 1/2 E. Pico
 Blvd., Los Angeles, Calif.

MISSOURI-Central Type Foundry, 705 E. Murdock
 Ave., Wichita 5, Kan.

TAYLOR-Made Rule Co., 65 Flatbush, Brooklyn

THINNING MACHINES FOR CURVED PLATES

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York

THREAD, TWINE

(See Bookbinders' Supplies)

TIERING MACHINES

(See Elevators, Paper Handling)

TIE-UP SYSTEMS

JEFFY Tie Manufacturing Co., 1419 N. W. 8th Terrace, Miami, Fla.
 RIEHL Galley Lock Co., Inc., 1312 Ontario St., Cleveland 13, Ohio

TIME CLOCKS AND RECORDERS

AMTHOR Testing Instrument Co., Inc., 45 VanSinderen Ave., Brooklyn 7, N. Y.
 AUTOMATIC Time Stamp Co., 370 Atlantic Ave., Boston 10, Mass.
 CINCINNATI Time Recorder Co., Inc., 1733 Central Ave., Cincinnati 14, Ohio
 ★FOSTER Mfg. Co., 123 N. 13th St., Philadelphia, Pa.
 GENERAL Electric Co., 1 River Rd., Schenectady 5, N. Y.
 INTERNATIONAL Business Machines Corp., 45 Crouch St., Rochester 1, N. Y.
 ★ROBERTS Numbering Machine Co., 700 Jamaica Ave., Brooklyn 8, N. Y.
 ★ROBERTSON, R. R., 3069 N. Elston Ave., Chicago
 SIMPLEX Time Recorder Co., S. Lincoln St., Gardner, Mass.
 STROMBERG Time Corp., 109 Lafayette St., New York 13, N. Y.

TIME SWITCHES

CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wis.
 GENERAL Electric Co., 1 River Rd., Schenectady 5, N. Y.
 PARTLOW Corp., The, 2 Campion Rd., New Hartford, N. Y.
 STROMBERG Time Corp., 109 Lafayette St., New York 13, N. Y.

TIN EDGING MACHINES, HANGERS

GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.

TIN EDGING AND MOUNTING MACHINES

GRAMMES, L. F., & Sons, Inc., Allentown, Pa.
 STUEBING Automatic Machine Co., 3424 Beekman St., Cincinnati 23, Ohio

TIPPING MACHINES

★BRACKETT Stripping Machine Co., 505 Jackson St., Topeka, Kan.
 MARRESFORD Machine Co., 3880 Ridge Road West, Rochester 13, N. Y.
 MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.
 MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.
 PARRY, S. R., Machine Co., 222 Mill St., Rochester 4, N. Y.
 ★POTDEVIN Machine Co., 1221 38th St., Brooklyn 18
 SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.

TOOL CABINETS

(See Cabinets, Cases, Racks)

TOOLS

1 Bookbinders
 2 Engravers Cutting
 3 Machinists
 4 Platemakers
 1 2 3 4
 BROWN & Sharpe Mfg. Co., Providence, R. I.
 3
 CHICAGO Wheel & Mfg. Co., 1103 W. Monroe St., Chicago, Ill.
 2
 CRONITE Co., 35 Park Pl., New York 35, N. Y.
 4
 GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago, Ill.
 1
 GENERAL Binding Corp., 812 W. Belmont Ave., Chicago 14, Ill.
 1
 HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
 1
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.
 2
 LUFKIN Rule Co., Saginaw, Mich.
 3
 METZGER, Alfred E., 30 Irving Place, New York 3
 4
 MONOMELT Co., Inc., 1611 Polk St., N. E., Minneapolis 13, Minn.
 3

1 2 3 4
 NEW Plastic Corp., 1017 N. Sycamore, Los Angeles 38, Calif.

REID, William, Co., 2271 Clybourn Ave., Chicago 14

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York, N. Y.

★TI-PI Co., 1000 Broadway, Kansas City 6, Mo.

WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

TRACING PAPER

★EASTMAN Kodak Co., Rochester 4, N. Y.
 ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
 ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

TRADE-MARKS, TYPE OR MATS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
 IMPRINT Matrix Co., Charlotte, N. C.
 ★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
 ★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.
 MONO-Typecaster Service, 5728 N. Meade Ave., Chicago 30, Ill.
 ROSS-AD-SEAL, Inc., Lord & Davidson Sts., Indianapolis, Ind.
 STERLING Type Foundry, Vermontville, Mich.
 TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

TRANSFER PAPER

★DENNISON Mfg. Co., Framingham, Mass.
 FUCHS & Lang, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 METZGER, Alfred E., 30 Irving Place, New York 3
 MID-STATES Gummed Paper Co., 2433 S. Damen Ave., Chicago, Ill.
 ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
 SENEFFELDER Co., The, 32 Greene St., New York 13
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
 SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

TRANSFER PRESSES

★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.

TRIMMING MACHINES, ELECTROTYPERS AND STEREOTYPERS

BOICE-Crane Co., 930 W. Central Ave., Toledo 6, Ohio
 ★GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
 ★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

TRUCKS

1 Electric
 2 Form
 3 Form File
 4 Form Lift
 5 Gravure
 6 Makeup
 7 Metal
 8 Paper Handling
 9 Press Platform
 10 Truck Wheels, Casters
 11 Upright for Bindery
 1 2 3 4 5 6 7 8 9 10 11
 ABRAMS, M. L., Co., 1729 Superior Ave., Cleveland 14, Ohio

ALLIED Steel Equip. Co., Lapeer, Mich.

★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N. Y.

ANDERSON, C. F., & Co., 3225 S. Calumet Ave., Chicago 16, Ill.

ANGLE Steel Stool Co., 309 W. Oak St., Plainwell, Mich.

AUTOMATIC Transportation, 101 W. 87th St., Chicago 20, Ill.

BARRETT-Cravens Co., 4613 S. Western, Chicago

BERRY Machine Co., 716 N. First St., St. Louis, Mo.

EASTON Car & Construction Co., Easton, Pa.

ECONOMY Engineering Co., 4511 W. Lake St., Chicago, Ill.

ELWELL-Parker Electric Co., 4120 St. Clair Ave., Cleveland 14, Ohio

EQUIPTO Div. Aurora Equipment Co., Aurora, Ill.

FOSTER Mfg. Co., 123 N. 13th St., Philadelphia, Pa.

GOSS Printing Press Co., 1535 S. Paulina, Chicago 8

★HAMILTON Mfg. Co., Two Rivers, Wis.

1 2 3 4 5 6 7 8 9 10 11
 ★HAMILTON Tool Co., 9th & Hanover, Hamilton, Ohio

KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Ill.

LEWIS-Shepard Products, Inc., 239 Walnut St., Watertown 72, Mass.

★LOS ANGELES Type & Rule Co., 225½ E. Pico Blvd., Los Angeles, Calif.

MARKET Forge Co., 30 Garvey St., Everett 49, Mass.

MILWAUKEE Saw Trimmer Corp., 612 E. Clybourn St., Milwaukee 2, Wis.

MODERN Eqpt. Co., 2011 Cumming St., Omaha 2, Nebr.

NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.

NOLAN Corporation, 1333 E. Dominick St., Rome, New York

NORMAN, Wm. A., 185 N. Wabash Ave., Chicago 1

NUTTING Truck & Caster Co., Inc., 1125 W. Division St., Fairbault, Minn.

PRINTING Equipment Corp., N. Republic Ave., Joliet, Ill.

REVOLVATOR Co., 86th St. & Tonnelle Ave., North Bergen, N. J.

ROTOGRAVURE Engineering Co., 299 Marginal St., East Boston 28, Mass.

★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

SERVICE Caster & Truck Co., 681 N. Brownwood Ave., Albion, Mich.

SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.

SOUTHWEST Machine Co., 30 Warren Ave., Portland, Me.

STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

THOMPSON Cabinet Co., Ludington, Mich.

★UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y.

WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

YALE & Towne Mfg. Co., 4530 Tacony St., Philadelphia 24, Pa.

TUSCHE

FUCHS & Lang Mfg. Co., div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
 ★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.
 ★INTERNATIONAL Printing Ink Corp., 67 W. 44th St., New York 1, N. Y.
 NAZ-DAR Co., 469 Milwaukee Ave., Chicago 10, Ill.
 SENEFFELDER Co., The, 32 Greene St., New York 13, N. Y.
 ★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.
 SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N. Y.

TWEEZERS

HACKENSACK Specialty Mfg. Co., 200 Atlantic St., Hackensack, New Jersey
 ★INTERNATIONAL Printing Ink Corp., 67 W. 44th St., New York 1, N. Y.
 ★LINOTYPE Parts Co., Weatherly, Pa.
 ★LOS ANGELES Type & Rule Co., 225½ E. Pico Blvd., Los Angeles, Calif.
 LUDWIG-Duell Co., 30 Beekman St., New York 7
 PIONEER-Toledo Corp., 1212 Jackson St., Toledo 2
 TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

TYING, PACKAGING MACHINERY (See Packaging & Tying Machines)**TYMPAN PACKING AND PAPER (See Cylinder—Drawsheets and Tympan. Also "Tympan" in Paper Section)****TYMPAN PAPER ROLL HOLDERS, WALL BRACKETS**

NELSON Vertical Paper Cutter Co., 424 W. 22nd St., Norfolk 16, Va.
 ★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

TYMPAN STABBER

★HERBERT Products Inc., 74-32 Jamaica Ave., Woodlawn 21, N. Y.
★ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

TYPE

1 Army and Navy Insignia
2 Borders and Rules
3 Brass
4 Fonts, APL, Monotype and Thompson Cast
5 Foundry
6 Rubber
7 Slugs
8 Steel
9 Type Metal Strip
10 Wood
1 2 3 4 5 6 7 8 9 10
ACME Detroit Type Foundry, 1959 E. Jefferson St., Detroit 7, Mich.

★ACME Type Foundry, 633 Plymouth Ct., Chicago 5 4 5
ALTAIR Machinery Corp., 35 Vandam St., New York 13, N. Y.

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.

★AMERICAN Wood Type, 35 W. 3rd St., New York 12, N. Y.

★AMSTERDAM Cont'l Types & Graphic Equip., Inc., 44 Whitehall St., New York 4, N. Y.

★BALTIMORE Type & Composition Co., 15 S. Frederick St., Baltimore, Md.

BAUER Alphabets, Inc., 235 E. 45th St., New York 17, N. Y.

BELMONT Smelting & Refining Wks., Inc., 330 Belmont Ave., Brooklyn 7, N. Y.

CALIFORNIA Type Foundry, 440 Battery St., San Francisco 11, Cal.

EMBOSSOGRAP Corp., 38 W. 21st St., New York 10 1 3

EMPIRE Type Foundry, Delevan, N. Y.

★FORCE, William A., & Co., 216 Nichols Ave., Brooklyn, New York 6

GLOBE Wood Type Co., 2856 D St., Philadelphia 34 10

HAASE Type Foundry, 1849 N. Halsted St., Chicago 5

★HAMILTON Mfg. Co., Two Rivers, Wis.

JOHNSON, Joseph E., Co., 610 Atlantic Ave., Brooklyn 17, N. Y.

KELSEY Co., 45 Crown St., Meriden, Conn.

★LOS ANGELES Type & Rule Co., 225½ E. Pico Blvd., Los Angeles, Calif.

LUDWIG-Duell Co., 30 Beekman St., New York 7 2 4

MACKENZIE-Harris, Inc., 659 Folsom St., San Francisco, Calif.

MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.

MELIND, Louis, 362 W. Chicago Ave., Chicago 10 6

MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.

★MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.

MONO-Trade Co., 213 S. 6th St., Minneapolis 2 2 4

MONO-Typecaster Service, 5728 N. Meade Ave., Chicago 30, Ill.

NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis 15, Minn.

★PERFECTION Type, Inc., 141 East 5th St., St. Paul 1, Minn.

PRINTERS Supply Service, 719 S. Dearborn St., Chicago 5, Ill.

QUAKER City Type Foundry, 152 N. 11th St., Philadelphia 7, Pa.

RAYCO Type Founders, 604 W. Lake St., Chicago 6 2 4

RULEX Type Corp., 127 W. Harrison, Chicago, Ill. 2 4

SCHMIDT, Geo. T., Inc., 4108 N. Ravenswood Ave., Chicago 13, Ill.

STERLING Type Foundry, Vermontville, Mich.

STEWART, Don, Co., 441 Clay St., San Francisco 11 9

1 2 3 4 5 6 7 8 9 10
STRIPFOUNDERS, Inc., 4550 S. Federal St., Chicago 9, Ill.

TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn 17, N. Y.

THOMPSON Type Founders, 1414 S. Harwood, Dallas 1, Tex.

TURNER Printing Machinery, Inc., 2630 Payne Ave., 4 5

★UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y.

TYPE CASES

(See Cabinets, Cases, Racks)

TYPE-HIGH GAUGE (See Gauges and Testing Instruments)

TYPE, SLUG CASTERS (See Composing Machines and Supplies)

TYPEWRITERS, JUSTIFYING

COXHEAD, Ralph, Co., 333 Sixth Ave., New York INTERNATIONAL Business Machines Corp., 590 Madison Ave., New York 22, N. Y.

REMINGTON Rand, Inc., 315 Fourth Ave., New York, N. Y.

UNDERWOOD Corporation, Park Ave., New York 16, N. Y.

TYPEWRITER RIBBON ATTACHMENTS (See Presses, Specialty Printing)

TYPEWRITER, RIBBONS

FUCHS & Lang Mfg. Co., Div., General Printing Ink Corp., 100 Sixth Ave., New York 13, N. Y.

INTERNATIONAL Business Machines Corp., 590 Madison Ave., New York 22, N. Y.

KEE Lox Mfg. Co., Rochester, N. Y.

LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

MITTAG & Volger Inc., 76 Park Ave., Park Ridge, N. Y.

REMINGTON Rand, Inc., 315 Fourth Ave., New York, N. Y.

STAFFORD, S. S., Inc., 609 Washington St., New York 14, N. Y.

UNDERWOOD Corporation, Park Ave., New York 16, N. Y.

VACUUM PRINTING FRAMES

★AMERICAN Type Founders Sales Corp., 200 Elmora Ave., Elizabeth 8, N. J.

BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.

BROWN Coating Btpt. Co., Wellston, Ohio

BROWN, W. A., Mfg. Co., 2035 Charleston St., Chicago 47, Ill.

★CHEMCO Photoproducts Co., New Street, Glen Cove, N. Y.

CONSOLIDATED Photo Engravers Equip. Co., 2155 W. Wabasha Ave., Chicago 47, Ill.

DAVIDSON Co., Subs. of Mergenthaler Linotype Co., 1020 W. Adams, Chicago, Ill.

★DOUTHITT Corporation, The, 680 E. Fort St., Detroit 26, Mich.

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5

★LANSTON Monotype Machine Co., 24th at Locust, Philadelphia 3, Pa.

LEVY, Max, & Co., Wayne Ave. & Berkley St., Philadelphia, Pa.

PHILLIPS & Jacobs, 622 Race St., Philadelphia PITMAN, Harold M., Co., 51st Ave. and 33rd St., Chicago 50, Ill.

★ROBERTSON, R. R., 3069 N. Elston Ave., Chicago RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.

SULLEBARGER, E. T. Co., 110 Fulton St., New York 7, N. Y.

WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

ZARKIN Machine Co., Inc., 34-19 10 St., Long Island City, N. Y.

VARIABLE SPEED PULLEYS

ALLIS-Chalmers Co., 1949 Noel St., Milwaukee 2, Wis.

DAYTON Rubber Mfg. Co., 2342 W. Riverview Ave., Dayton, Ohio

HORTON Co., 3016 University Ave., S. E., Minneapolis 14, Minn.

REEVES Pulley Company, Dept. RV, Columbus, Ind.

SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N. Y.

VARIABLE SPEED TRANSMISSIONS

ALLIS-Chalmers Co., 1949 Noel St., Milwaukee 2, Wis.

ELECTRON Equipment Corp., 917 Meridian Avenue, So. Pasadena, Calif.

GRAHAM Transmissions, Inc., 3754 N. Holton St., Milwaukee 12, Wis.

LINK-Belt Company, 301 W. Pershing, Chicago, Ill.

OILGEAR Co., 1560 W. Pierce St., Milwaukee 4, Wis.

REEVES Pulley Co., Columbus, Ind.

★RELIANCE Electric & Engineering Co., 1101 Ivanhoe Road, Cleveland 10, Ohio

SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N. Y.

U. S. Electrical Motors, Inc., 200 E. Slauson Ave., Los Angeles 34, Calif.

VENTILATING SYSTEMS (See Air and Paper Conditioners, Anti-Offset Eqp., and Heating, Ventilating Systems)**VIBRATION CONTROL METHODS**

FELTERS Co., The, 210 South St., Boston 11, Mass.

GOODRICH, B. F., Rubber Co., 500 S. Main St., Akron 18, Ohio

KORFUND Company, Inc., 48-15 32nd Place, Long Island City 1, N. Y.

UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N. Y.

VIBRATION Eliminator Co., 10-28 47th Ave., Long Island City 1, N. Y.

**WASH, BLANKET**

(See Blanket, Wash, Offset-Litho.)

WASHUP MATERIALS AND METHODS, OFFSET-LITHO

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16 CLEAN-A-Press Machine Co., 821 3rd St., Des Moines 1, Iowa

DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.

FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.

GEGENHEIMER, Wm., 80 Roanoke St., Brooklyn 1 ★INTERNATIONAL Printing Ink Corp., 67 W. 44th St., New York 1, N. Y.

McKINLEY Litho Supply Co., 1623 John Street, Cincinnati, Ohio

PHILLIPS & Jacobs, 622 Race St., Philadelphia RYAN, E. G., & Co., 727 S. Dearborn St., Chicago 5, Ill.

★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N. Y.

SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N. Y.

WASHUP, OFFSET-LITHOGRAPHIC (See Roller, Inking, Washing Machines)**WASH, TYPE AND CUT**

ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N. Y.

★AMERICAN Steel Chase Co., 3131 Forty-Eighth Ave., Long Island City 1, N. Y.

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.

ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16 BRADEN Supphim Ink Co., 3800 Chester Ave., Cleveland 14, Ohio

CHALMERS Chemical Co., 123 Chestnut St., Newark 5, N. J.

CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.

DURYEA Products Co., Inc., Empire State Bldg., New York 1, N. Y.

EAGLE Printing Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.

FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.

★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.

INCO Co., 1051 Power Ave., Cleveland 14, Ohio INDIANA Chemical & Mfg. Co., 517 So. Alabama St., Indianapolis 25, Ind.

MESSEROLE, Edward D., Co., Inc., 245 7th Ave., New York, N. Y.

METALS Refining Company, 1717 Summer St., Hammond, Ind.

PECK, James I. (Reg.), 47 High St., West Orange, N. J.

PERFECTION Type, Inc., Kellogg & Cedar Sts., St. Paul, Minn.

PHILLIPS & Jacobs, 622 Race St., Philadelphia PURE Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.

★RELIABLE Rule Co., 94 Academy St., Newark, N. J.

★SIEBOLD, J. H. & G. B., 47 Watts St., New York 13, N. Y.

SMITH, Francis X., 952 E. 93rd St., Brooklyn 12 STANDARD Oil Co. of Ky., Louisville, Ky.

TAYLOR-Glum Co., Concord, N. H.

TROJAN Products Co., 53 W. Jackson Blvd., Chicago 2, Ill.

WEBBING (See Belts, Belting and Tape)**WELDER, ELECTRIC**

GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.

WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

WIPERS, MOUTHPIECE AND SPACE BAND (See Composing Machines and Supplies)

WIPING CLOTHS

CALLAWAY Mills, 295 Fifth Ave., New York 16
SANITARY Wiping Cloth Co., 1810 Worcester St.,
Baltimore 30, Md.

WIRE

- 1 Spiral Binding
- 2 Stapling and Stitching
- 3 Threading & Looping (Tags)
- 1 2 3
- ACME Staple Co., 1643 Haddon Ave., Camden, N. J.
- 2
- AMERICAN Steel & Wire Co., Rockefeller Bldg.,
Cleveland 13, Ohio
- 1 2
- BOSTITCH, Westerly, R. I.
- 2
- CHICAGO Steel & Wire Company, 10237 Torrence
Ave., Chicago 17, Ill.
- 2
- HELLER Co., The, 2135 Superior Ave., Cleveland 6
- 2

1 2 3
JONES, James H., Co., 130 N. Clinton St., Chicago
6, Ill.

2
PABICH, W. R., Mfg. Co., 2855-57 N. Rockwell St.,
Chicago 18, Ill.

2
PRENTISS, Geo. W., & Co., 439 Dwight St., Hol-
yoke, Mass.

1 2
★SENECA Wire & Mfg. Co., Fostoria, Ohio

WOOD, CUT BLOCKING AND TINT BLOCKS

- 1 Cut Blocking
- 2 Die and Envelope-Cutting
- 3 Tint Blocks
- 1 2 3

★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St.,
New York 10, N. Y.

AMERICAN Wood Type, 35 W. 3rd St., New York
12, N. Y.

3
APPLETON Wood Products Co., Douglas & Second
Sts., Appleton, Wis.

1 2 3
★HAMILTON Mfg. Co., Two Rivers, Wis.

3
IRWIN Manufacturing Co., Garland 1, Pa.

1 3
LUDWIG-Duell Co., 30 Beekman St., New York 7,
N. Y.

3
MARKEL Products Co., 100 Gold St., New York 7

1
SANDBERG Mfg. Co., 1941-1959 W. Fulton St., Chi-
cago 12, Ill.

1
THOMPSON Cabinet Co., Ludington, Michigan

1
WELLS Mfg. Co., 1700 S. Main St., South Bend, Ind.

WRAPPING MACHINES

AMSCO Packaging Machinery Co., 31-31 48th Ave.,
Long Island City, N. Y.

ANDERSON, C. F., & Co., 3225 Calumet Ave., Chi-
cago 16, Ill.

BARKLEY & Dexter, 528 Commonwealth Ave., Bos-
ton 15, Mass.

GELLMAN Mfg. Co., 1700 1st St., Rock Island, Ill.

PACKAGE Machinery Co., 132 Birnie Ave., Spring-
field, Mass.

LEADING PRINTING MACHINERY DEALERS

★ABRAMS, M. L., Co., 1639 Superior Ave., Cleve-
land 14, Ohio

ALLIED Printing & Binding Machinery Co., 3771
Chester Ave., Cleveland 14, Ohio

AMERICAN Printing Machinery Co., Inc., 88 Gold
St., New York 7, N. Y.

★AMERICAN Type Founders, 200 Elmora, Elizabeth
B, N. J.

★AMSTERDAM Contr'l Types & Graphic Equip. Inc.,
44 White Hall St., New York, N. Y.

AUTOMATIC Saw Sharpening Co., 735 E. Ohio St.,
Indianapolis 2, Indiana

BARAGER, M. E., 6523 20th Ave., N. E. Seattle,
Washington

BAUMGARDNER Sales & Service, 1909 Euclid Ave.,
Cleveland, O.

★BENSON, N. C., Company, 550 So. Clark St., Chi-
cago, Ill.

BRINTNALL, Harry W., Co., 430 Howard St., San
Francisco

CHICAGO Printers Machine Works, 609 W. Lake
St., Chicago 6, Ill.

CONTINENTAL Printing Equipment Co., 123 N.
Sangamon St., Chicago 5, Ill.

CRAFTSMAN Machinery Co., 575 Atlantic Ave.,
Boston 10, Mass.

CRESCENT Printers Supply, 69 E. Long St., Colum-
bus 15, Ohio

DODSON Printers Supply Co., 231 Pryor St., S. W.
Atlanta 3, Ga.

DORSEY'S Printers Supply Co., Inc., 125 Pontotoc,
Memphis, Tenn.

ECONOMY Printers Products Co., 609 S. La Salle
St., Chicago 3, Ill.

★FALCO Corp., 47-01 35th St., Long Island City
N. Y.

FULLER, E. C. Co., Inc., 28 Reade St., New York 7

GANE Brothers and Lane, Inc., 1335 W. Lake St.,
Chicago 7, Ill.

GLOBE Printer's Supply, Inc., 409 Washington St.,
Newark 2, N. J.

GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 E. 21st
St., New York 10, N. Y.

GRIFFITHS, John, Co., Inc., 11 W. 42nd St., New
York 17, N. Y.

HALE, Frank D., 64 Tonnele Ave., Jersey City, N. J.

HALL, Norman F., Co., 733 Santiago St., San Fran-
cisco, Calif.

HALL, Thomas W., Co., Inc., Sunnyside Ave., Stam-
ford, Conn.

HARTNETT, R. W., Co., 1025 Cherry St., Phila-
delphia 7, Pa.

HEINRICH, Harold H., Inc., 200 Varick St., New
York 14, N. Y.

HEUSLEIN, R. J., Co., 37 E. 9th St., Indianapolis 4,
Ind.

JOHNSON, C. I., Mfg. Co., 145 S. Wabasha St., St.
Paul 1, Minn.

KEMP, Wm. M., Co., 444 Market St., San Francisco
11, Calif.

LAVERY, Chas., 69 E. Long St., Columbus 15, Ohio

★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New
York 1, N. Y.

★LOS ANGELES Type & Rule Co., 225½ E. Pico
Blvd., Los Angeles, Calif.

MARSHALL Son & Wheelock, Inc., 82 Lincoln St.,
Boston 11, Mass.

MASON-Moore-Tracy, Inc., 28 E. Fourth St., New
York 3, N. Y.

MIDWEST Printers Supply, 139 E. Third St., Cin-
cinnati 2, Ohio

MISSOURI-Central Type Foundry, 705 E. Murdock
Ave., Wichita 5, Kan.

NORTHERN Machine Works, 323-29 N. Fourth St.,
Philadelphia, Pa.

NORTHWEST Type Foundry, 507 S. Fourth St.,
Minneapolis 15, Minn.

PALMER, E. C., & Co., 515 Lafayette St., New
Orleans, La.

PAVYER Printing Machine Works, 600 S. Broad-
way, St. Louis 2, Mo.

★PAYNE & Craig Corp., 82 Beekman St., New York
7, N. Y.

PELOUZE, H. L., & Sons Co., 304 Va. A.B.C.
Bldg., Richmond, Va.

★PERFECTION Type, Inc., 141 E. Fifth St., St. Paul

PRINTCRAFT Representatives, 277 Broadway, New
York, N. Y.

PRINTERS Machinery Corp., 410 S. Clinton St.,
Chicago 7, Ill.

RATHBUN & Bird Co., Inc., 375 W. Broadway,
New York 12, N. Y.

RUESCH Company, 1932 E. Webster Place, Milwau-
kee 11, Wis.

RYAN E. G., & Co., 727 S. Dearborn St., Chicago 5

SHERIDAN, T. W. & C. B., Co., Inc., 135 Lafayette
St., New York 13, N. Y.

SHULMAN, Inc., Ben, 137 Gould St., Rochester,
N. Y.

★SPERO, J., & Co., 549 W. Randolph St., Chicago 6

STANDARD Paper Box Machine Co., Inc., 133
Bleeker St., New York 12, N. Y.

STEWART, Don. Co., 441 Clay St., San Francisco 11

★STOUT, Samuel C., Co., 343 S. Dearborn St., Chi-
cago 4, Ill.

THORNTON, Seth, & Son., 606 Broadway, Kansas
City, Mo.

★TOMPKINS Printing Equipment Co., 720 S. Clark
St., Chicago 5, Ill.

★TOMPKINS Printing Equipment Co., 1040 W.
Grand Blvd., Detroit 8, Mich.

TURNER Printing Machinery, Inc., 2630 Payne Ave.,
Cleveland 14, Ohio

★TYPE & Press of Illinois, 3312 N. Ravenswood,
Chicago 6, Ill.

VAN DILLEN, Inc., 74 Beekman St., New York 7

WALKER, E. H., Supply Co., 140 Que St., N. E.,
Washington 2, D. C.

WESTERN Newspaper Union, 621 S. 15th St.,
Omaha 1, Nebr.

ZIMMER Printers Supply Co., 72 Beekman St., New
York, N. Y.

WHEN WRITING SUPPLY FIRMS KINDLY MENTION

INDEX TO PRINCIPAL PAPER LINES AND THE MANUFACTURERS

A

ANNOUNCEMENT

AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
 BECKETT Paper Co., Hamilton, Ohio
 *CHAMPION Paper & Fibre Co., Hamilton, Ohio
 IMPORT Paper Co., 701 W. Washington Blvd., Chicago 6, Ill.
 KENT Paper Co., Inc., The, 159 Varick St., New York, N. Y.
 LEADER Card Works, Inc., 916 S. Sixth St., Milwaukee 4, Wis.
 LINWEAVE, 21 Cypress St., Springfield 2, Mass.
 RIEGEL Paper Corp., 342 Madison Ave., New York 17, N. Y.
 RISING Paper Co., Park St., Housatonic, Mass.
 *STRATHMORE Paper Co., West Springfield, Mass.

B

BIBLE PAPER

ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 *CHAMPION Paper & Fibre Co., Hamilton, Ohio
 CRANE & Co., Inc., 30 South St., Dalton, Mass.
 CROCKER, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 ECUSTA Paper Corp., Pisgah Forest, N. C.
 FITCHBURG Paper Co., 642 River St., Fitchburg, Mass.
 TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.

BLANKS, PLAIN AND COATED

ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 BEVERIDGE Paper Co., 705 W. Washington St., Indianapolis, Ind.
 BROWNVILLE Board Co., Brownville, N. Y.
 *CHAMPION Paper & Fibre Co., Hamilton, Ohio
 FALULAH Paper Co., Falulah Rd., Fitchburg, Mass.
 FRANKLIN Paper Co., Third Level Canal, Holyoke, Mass.
 LEWIS, J. P., Co., Beaver Falls, N. Y.
 LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 LOWE Paper Co., River St., Ridgefield, N. J.
 *MEAD Sales Co., The, 118 W. First St., Dayton 2, Ohio
 WHEELWRIGHT Papers, Inc., 230 Park Ave., New York 17, N. Y.

BLOTTING

1 No. 1 Grade
 2 No. 2 Grade
 3 No. 3 Grade
 4 Embossed
 5 Enameled
 6 Fancy
 7 Half-tone
 8 Offset Pasted
 1 2 3 4 5 6 7 8
 ALBEMARLE Paper Mfg. Co., Richmond, Va.
 1 2 3 4 5 6 7 8
 *CANTINE, Martin, Co., Saugerties 1, N. Y.
 1 2 3 4 5 6 7 8
 DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., N. W., Washington 7, D. C.
 1 2 3 4 5 6 7 8
 HARDING-Jones Paper Co., Middletown, Ohio
 1 2 3 4 5 6 7 8
 MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
 PARKER, Joseph, & Son Co., 1155 Whalley Ave., New Haven 15, Conn.
 1 2 3 4 5 6 7 8
 ROCHESTER Paper Co., Rochester, Mich.
 1 2 3 4 5 6 7 8
 STANDARD Paper Mfg. Co., Richmond, Va.
 1 2 3 4 5 6 7 8
 WRENN Paper Co., Middletown, Ohio
 1 2 3 4 5 6 7 8

BOARD

1 Binders
 2 Box and Carton
 3 Chip
 4 Corrugated
 5 Mat
 6 Mounting
 7 Poster
 8 Press
 9 Straw
 10 Tag
 1 2 3 4 5 6 7 8 9 10
 APPLETON Coated Paper Co., Appleton, Wis.
 10

BEVERIDGE Paper Co., Indianapolis 4, Ind.
 6
 CENTRAL Paper Co., Inc., 2404 Lake Shore Dr., Muskegon, Mich.
 10
 *CHAMPION Paper & Fibre Co., Hamilton, Ohio
 8
 COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 6
 *CONSOLIDATED Paper Co., Monroe, Mich.
 1 2 3 4 5 6 7 8 9
 CORKPAK Co., The, 45 South St., Ma. Vernon, N. Y.
 10
 *DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
 10
 FALULAH Paper Co., Falulah Rd., Fitchburg, Mass.
 10
 HAMILTON, W. C., & Sons, Miquon, Pa.
 6
 HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
 10
 LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 10
 LOW Paper Co., River St., Ridgefield, N. J.
 1 2 3 4 5 6 7 8 9
 MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
 10
 MILLER Paper Co., 80 Wooster St., New York 12
 5
 OHIO Boxboard Co., Rittman, Ohio
 1 2 3 4 5 6 7 8 9
 PORT Huron Sulphite & Paper Co., Port Huron, Mich.
 10
 RIEGEL Paper Corp., 342 Madison Ave., New York 17, N. Y.
 8
 SORG Paper Co., Middletown, Ohio
 10
 WEST Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 4
 WHEELWRIGHT Papers, Inc., 230 Park Ave., New York 17, N. Y.
 5 6

BOND PAPER, COATED, ONE SIDE

APPLETON Coated Paper Co., Appleton, Wis.
 CANTINE, Martin, Co., Saugerties, N. Y.
 MIAMI Valley Coated Paper Co., Franklin, Ohio
 MICHIGAN Paper Co., Plainwell, Mich.
 STANDARD Paper Mfg. Co., Richmond, Va.

BOND AND LEDGER PAPERS

1 100% Rag Content
 2 75% Rag Content
 3 50% Rag Content
 4 25% Rag Content
 5 Manifold Onion Skin Tissue (Thin Paper)
 6 Sulphite
 7 Writings
 1 2 3 4 5 6 7
 AETNA Paper Co., Dayton, Ohio
 1 2 3 4 5 6
 AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
 1 2 3 4 5 6 7
 BADGER Paper Mills, Inc., Peshtigo, Wis.
 1 2 3 4 5 6 7
 BARE, D. M., Paper Co., Roaring Springs, Pa.
 6
 BRIGHTWATER Paper Co., 115 Howland Ave., Adams, Mass.
 1 2 3 4 5 6
 BROWN, L. L., Paper Co., Adams, Mass.
 1 2 3 4 5 6 7
 *CANTINE, Martin, Co., Saugerties 1, N. Y.
 CAREW Mfg. Co., Hadley Falls, Mass.
 1 2 3 4 5
 *CHAMPION Paper & Fibre Co., Hamilton, Ohio
 8
 CHEMICAL Paper Mfg. Co., Holyoke, Mass.
 1
 COLLINS Mfg. Co., N. Wilbraham, Mass.
 1 2 3 4 5
 CRANE & Co., Inc., 30 South St., Dalton, Mass.
 1
 CROCKER-McElwain Co., Holyoke, Mass.
 1 2 3 4
 DEXTER, C. H., & Sons, Windsor Locks, Can.
 5
 EASTERN Corporation, Bangor, Me.
 5
 ECUSTA Paper Corp., Pisgah Forest, N. C.
 5
 ESLEECK Mfg. Co., Turners Falls, Mass.
 5
 FLETCHER Paper Co., Alpena, Mich.
 5
 FRASER Paper, Ltd., 420 Lexington Ave., New York 17, N. Y.
 5
 FRENCH Paper Co., Niles, Mich.
 5 6 7
 GILBERT Paper Co., Menasha, Wis.
 1 2 3 4 5

1 2 3 4 5 6 7
 GLATFELTER, P. H., Co., Spring Grove, Pa.
 6
 GROVETON Papers, Inc., Groveton, N. H.
 6
 HAMILTON, W. C., & Sons, Miquon, Montgomery County, Pa.
 3 4
 *HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
 6 7
 HARDING-Jones Paper Co., Excallo, Ohio
 4
 HAWTHORNE Paper Co., E. Michigan Ave., Kalamazoo, Mich.
 1 2 3 4
 HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
 6 7
 *HOWARD Paper Co., Urbana, Ohio
 6 7
 *INTERNATIONAL Paper Co., 220 E. 42nd St., New York 17, N. Y.
 5 6
 KEITH Paper Co., Turners Falls, Mass.
 1 2 3 4
 LEE Paper Co., Vicksburg, Mich.
 1
 LINWEAVE, 21 Cypress St., Springfield, Mass.
 1
 *MAXWELL Paper Co., Franklin, Ohio
 6
 *MEAD Sales Co., Inc., 118 First St., Dayton 2, Ohio
 6 7
 MICHIGAN Paper Co., Plainwell, Mich.
 5 6
 MILLERS Falls Paper Co., Millers Falls, Mass.
 2 3 4 5
 MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
 6
 MONADNOCK Paper Mills, 1054 Park Sq. Bldg., Boston, Mass.
 6
 MUNISING Paper Co., 135 S. La Salle St., Chicago 3
 6
 NEENAH Paper Co., Neenah, Wis.
 1 2 3 4 5 6 7
 *NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
 6 7
 NORTHWEST Paper Co., Cloquet, Minn.
 6 7
 PAPER Corporation of America, 350 Fifth Avenue, New York 1, N. Y.
 6 7
 PARKER-Young Co., 131 State St., Boston 9, Mass.
 6
 PARSONS Paper Co., Holyoke, Mass.
 1 2 3 4
 PATERSON Parchment Paper Co., Bristol, Pa.
 5
 PORT Huron Sulphite & Paper Co., Port Huron, Mich.
 5
 RISING Paper Co., Park St., Housatonic, Mass.
 1
 RIVERSIDE Paper Corp., Appleton, Wis.
 6
 SORG Paper Co., Middletown, Ohio
 1 2 3 4 5
 STANDARD Paper Mfg. Co., Richmond, Va.
 2 3 4
 SOUTHWORTH Co., West Springfield, Mass.
 6
 *STRATHMORE Paper Co., West Springfield, Mass.
 1 2 3 4
 TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 6
 VALLEY Paper Co., Holyoke, Mass.
 1 2 3 4 5
 WARD Paper Co., Merrill, Wis.
 5 6
 WAUSAU Paper Mills Co., 111 W. Washington St., Chicago, Ill.
 6 7
 *WESTON, Byron Co., Main St., Dalton, Mass.
 1 2 3 4
 WHITING, George A., Paper Co., Menasha, Wis.
 6
 WHITING Paper Co., Holyoke, Mass.
 1 2 3 4 5 6 7
 WHITING-Plover Paper Co., Stevens Point, Wis.
 1 2 3 4 5

Keep this directory issue
for reference.
You'll find it useful
throughout the year.

BOOK, COATED

- 1 Book, Coated, Machine
 - 2 Book, Coated, Offset
 - 3 Colored
 - 4 Dull Finish
 - 5 Gloss Ink
 - 6 No. 1 Grade
 - 7 No. 2 Grade, Folding
 - 8 No. 3 Grade
 - 9 No. 4 Grade
 - 10 Proofing, Coated one Side
 - 11 Special Cast-Coated
- 1 2 3 4 5 6 7 8 9 10 11
 - ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 - 2 3 4 5 6 7 8 9 10
 - APPLETON Coated Paper Co., Appleton, Wis.
 - 2 3 4 5 6 7
 - BRYANT Paper Co., 2030 Portage St., Kalamazoo 29F, Mich.
 - 2 3 4 5 6 7 8 9 10
 - ★CANTINE, Martin, Co., Saugerties, N. Y.
 - 2 3 4 5 6 7 8 9
 - ★CHAMPION Paper & Fibre Co., Hamilton, Ohio
 - 1 2 3 4 5 6 7 8 9 10 11
 - COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 - 3
 - ★CONSOLIDATED Water Power & Paper Co., Wisconsin Rapids, Wis.
 - CROCKER, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 - 2 3 4 5 6 7 8
 - DILL & Collins, Inc., 230 Park Ave., New York 17
 - 4
 - KALAMAZOO Paper Co., Kalamazoo, Mich.
 - 6 7 8 9
 - ★KIMBERLY-Clark Corp., Neenah, Wis.
 - 2
 - ★McLAURIN-Jones Co., Brookfield, Mass.
 - 1 2 3 4 5 6 7 8 9 10 11
 - MEAD Sales Co., Inc., 118 W. First St., Dayton 2, Ohio
 - 1 2 3 4 5 6 7 8 9
 - MIAMI Valley Coated Paper Co., Franklin, Ohio
 - 2 3 4 5 6 7 8 9 10
 - MICHIGAN Paper Co., Plainwell, Mich.
 - 6 7 8 9
 - MILLER Paper Co., 80 Wooster St., New York 12
 - 4
 - ★OXFORD Paper Co., 230 Park Ave., New York 17
 - 1 2 3 4 5 6 7 8 9
 - READING Glazed Paper Corp., Reading, Pa.
 - 1 2 3 4
 - REX Paper Co., Kalamazoo, Mich.
 - 2 3 4 5 6 7 8 9
 - ★ST. REGIS Paper Co., 230 Park Ave., New York, New York
 - 1 2 3 4 5 6 7 8 9 10 11
 - SPRINGFIELD Coated Paper Co., 9th, Bailey & Erie Sts., Camden, N. J.
 - 2 3 4 5
 - WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
 - 1 2 3 4 5 6 7 8 9 10
 - WATERVLIET Paper Co., Watervliet, Mich.
 - 2 3 4 5 6 7 8
 - WEST Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 - 1
 - WYOMING Glazed Paper Co., Reading, Pa.

BOOK, UNCOATED

- 1 A Grade
 - 2 B Grade
 - 3 C Grade
 - 4 D Grade
 - 5 Antique
 - 6 Coated
 - 7 Eggshell
 - 8 English Finish
 - 9 Machine Finish
 - 10 Mimeograph
 - 11 Offset
 - 12 Rotogravure
 - 13 Super Calendered
 - 14 Text, Deckle Edge
 - 15 Text, Plain Edge
 - 16 Vellum, Weddings
- 1 2 3 4 5 6 7 8 9 10 11
 - 12 13 14 15 16
 - ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 - 1 2 3 4 5 6 7 8 9 10 11
 - AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
 - 1
 - 14 15 16
 - BARE, D. M., Paper Co., Roaring Spring, Pa.
 - 1
 - 13
 - ★BECKETT Paper Co., Hamilton, Ohio
 - 1
 - BERGSTROM Paper Co., Neenah, Wis.
 - 1 2 3 4 5 6 7 8 9 10 11
 - ★CHAMPION Paper & Fibre Co., Hamilton, Ohio
 - 1 2 3 4 5 6 7 8 9 10 11
 - 12 13 14 15
 - CHEMICAL Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 - 6
 - CHILLICOTHE Paper Co., Chillicothe, Ohio
 - 1 2 3 4 5 6 7 8 9 10 11

- 1 2 3 4 5 6 7 8 9 10 11
- 12 13 14 15 16
- CRANE & Co., Inc., 30 South St., Dalton, Mass.
- 16
- CROCKER, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
- 1 2 3 4 5 6 7 8 9 10 11
- 12 13 14 15
- DILL & Collins, Inc., 230 Park Ave., New York 17
- 6
- EASTERN Corporation, Bangor, Me.
- 16
- EVERETT Pulp & Paper Co., Everett, Wash.
- 5 6 7 8 9 10
- 13 15
- ★FITCHBURG Paper Co., 642 River St., Fitchburg, Mass.
- 1 2 3 4 5 6 7 8 9 10 11
- 13 16
- FOX River Paper Corp., Appleton, Wis.
- 16
- FRENCH Paper Co., Niles, Mich.
- 11
- 12
- GLATFELTER, P. H., Co., Spring Grove, Pa.
- 1 2 3 4 5 6 7 8 9 10 11
- HAMILTON, W. C., & Sons, Miquon, Montgomery County, Pa.
- 10 11
- 14 15 16
- ★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
- 11
- HAWTHORNE Paper Co., E. Michigan Ave., Kalamazoo, Mich.
- 14 15 16
- HOPPER Paper Co., Taylorville, Ill.
- 11
- HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
- 11
- ★HOWARD Paper Co., Urbana, Ohio
- 10
- ★INTERNATIONAL Paper Co., 220 E. 42d St., New York 17, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
- 12 13 14 15
- JESSUP & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
- 1 2 3 4 5 6 7
- 12
- KALAMAZOO Paper Co., Kalamazoo, Mich.
- 3
- KEITH Paper Co., Turners Falls, Mass.
- 14 15 16
- LEE Paper Co., Vicksburg, Mich.
- 14 15 16
- LINWEAVE, 21 Cypress St., Springfield 2, Mass.
- 14 15 16
- ★MAXWELL Paper Company, Franklin, Ohio
- 10 11
- 12
- ★MEAD Sales Co., Inc., 118 W. First St., Dayton, Ohio
- 1 2 3 4 5 6 7 8 9 10 11
- 12 13
- MIAMI Valley Coated Paper Co., Franklin, Ohio
- 6
- MICHIGAN Paper Company, Plainwell, Mich.
- 1 2 3 4 5 6 7 8 9
- 13
- MINNESOTA & Ontario Paper Co., 205 W. Wacker Drive, Chicago 6, Ill.
- 2 3 4 5 6 7 8 9
- MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
- 14 15 16
- NEW YORK & Pennsylvania Co., Lock Haven, Pa.
- 1 2 3 4 5 6 7 8 9 10 11
- 13
- ★NORTHWEST Paper Co., Cloquet, Minn.
- 1 2 3 4 5 6 7 8 9 10 11
- 13
- ★OXFORD Paper Co., 230 Park Ave., New York 17
- 1 2 3 4 5 6 7 8 9 10 11
- 12 13
- PAPER Corporation of America, 350 Fifth Avenue, New York 1, N. Y.
- 2 3 4 5 6 7 8 9 10 11
- PENINSULAR Paper Co., Ypsilanti, Mich.
- 11
- 14 15
- REX Paper Company, Kalamazoo, Mich.
- 11
- 16
- RISING Paper Company, Housatonic, Mass.
- 11
- ★ST. REGIS Paper Co., 230 Park Ave., New York, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
- 12 13
- SORG Paper Company, Middletown, Ohio
- 5 6 7 8 9 10 11
- 13
- STANDARD Paper Mfg. Co., Richmond, Va.
- 11
- 12
- ★STRATHMORE Paper Company, West Springfield, Mass.
- 11
- 14 15 16
- TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
- 1 2 3 4 5 6 7 8 9 10 11
- 1 2 14 15
- WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
- 1 2 3 4 5 6 7 8 9 10 11

- 1 2 3 4 5 6 7 8 9 10 11
- 12 13 14 15 16
- WATERVLIET Paper Co., Watervliet, Mich.
- 11
- WAUSAU Paper Mills, 111 W. Washington, Chicago 11
- 16
- WEST VIRGINIA Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
- 1 2 3 4 5 6 7 8 9 10 11
- 12 13
- WHITING, George A., Paper Co., Menasha, Wis.
- 16
- WHITING Paper Company, Holyoke, Mass.

BRISTOLS

- 1 Coated Bristols and Post Card
 - 2 Index, 100% Rag Content
 - 3 Index, 50% Rag Content
 - 4 Index, 25% Rag Content
 - 5 Index, Sulphite and Bleached Sulphate
 - 6 Wedding
 - 7 Railroad
 - 8 Tough Check
- 1 2 3 4 5 6 7 8
 - ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99
 - 1
 - AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
 - 5 6
 - APPLETON Coated Paper Co., Appleton, Wis.
 - 1
 - BEVERIDGE Paper Co., 717 W. Washington, Indianapolis 4, Ind.
 - 7 8
 - BROWN, L. L., Paper Co., Adams, Mass.
 - 2 3
 - ★CANTINE, Martin, Co., Saugerties 1, N. Y.
 - 1 2 3 4 5 6 7 8 9 10 11
 - CENTRAL Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
 - 5
 - ★CHAMPION Paper & Fibre Co., Hamilton, Ohio
 - 1 2 3 4 5 6 7 8 9 10 11
 - CHEMICAL Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 - 5
 - COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 - 1 2 3 4 5 6 7 8 9 10 11
 - COLLINS Mfg. Co., North Wilbraham, Mass.
 - 2 3 4 5 6 7 8 9 10 11
 - CRANE & Co., Inc., 30 South St., Dalton, Mass.
 - 2
 - CROCKER-McElwain Co., Holyoke, Mass.
 - 3 4
 - DILL & Collins, Inc., 230 Park Ave., New York 17
 - 1
 - FOX River Paper Corp., Appleton, Wis.
 - 6
 - FRANKLIN Paper Co., Third Level Canal, Holyoke
 - 5
 - GILBERT Paper Co., Menasha, Wis.
 - 2 3 4 5 6 7 8 9 10 11
 - ★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
 - 5
 - HAWTHORNE Paper Co., E. Michigan Ave., Kalamazoo, Mich.
 - 6
 - HOLLINGSWORTH & Vose Co., 112 Washington St., East Walpole 1, Mass.
 - 5
 - HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
 - 5
 - HOPPER Paper Co., Taylorville, Ill.
 - 5
 - ★INTERNATIONAL Paper Co., 220 East 42nd St., New York 17, N. Y.
 - 11
 - LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 - 1 2 3 4 5 6 7 8 9 10 11
 - LINWEAVE, 21 Cypress St., Springfield 2, Mass.
 - 4 5
 - MARVELLUM Co., Appleton St., Holyoke, Mass.
 - 1
 - ★MEAD Sales Co., 118 W. First St., Dayton 2, Ohio
 - 3
 - MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
 - 5
 - NEENAH Paper Co., Neenah, Wis.
 - 3 4
 - NORTHWEST Paper Co., Cloquet, Minn.
 - 5
 - OTTEN Bros. Co., 7356 Richmond St., Detroit 11, Mich.
 - 1 2 3 4 5 6 7 8 9 10 11
 - PARSONS Paper Co., Holyoke, Mass.
 - 2 3 4 5 6 7 8 9 10 11
 - PENINSULAR Paper Co., Ypsilanti, Mich.
 - 5
 - PERFECT Safety Paper Co., 102 Winter St., Holyoke, Mass.
 - 3
 - PORT Huron Sulphite & Paper Co., Port Huron, Mich.
 - 5
 - RIEGLER Paper Corp., 342 Madison Ave., New York 17, N. Y.
 - 5
 - RISING Paper Co., Park St., Housatonic, Mass.
 - 2
 - SORG Paper Co., Middletown, Ohio
 - 1 2 3 4 5 6 7 8 9 10 11
 - STANDARD Paper Mfg. Co., Richmond, Va.
 - 5
 - ★STRATHMORE Paper Co., West Springfield, Mass.
 - 5 6

1 2 3 4 5 6 7 8
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 5
VALLEY Paper Co., Holyoke, Mass.
 3
WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
 1
WATERLIET Paper Co., Watervliet, Mich.
 1
WEST VIRGINIA Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 5
 ★**WESTON, Byron, Company**, Main St., Dalton, Massachusetts
 2
WHEELWRIGHT Papers, Inc., 230 Park Ave., New York 17, N. Y.
 1
WHITING Paper Co., Holyoke, Mass.
 2 3 4 6



CARBON PAPER

ACE Carbon Paper Co., 1020 Washington St., Boston 18, Mass.
AMERICAN Paper Mfg. Co., Ennis, Texas
AMERICAN Register Co., 565 W. Washington St., Chicago 6, Ill.
CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
FRYE Mfg. Co., 301 University Ave., Des Moines 4, Iowa
GENERAL Manifold & Printing Company, Franklin, Pennsylvania
KEE Lox Mfg. Co., Rochester, N. Y.
MITTAG & Volger, Inc., 76 Park Ave., Park Ridge, N. J.
PEERLESS Key-Imperial Mfg. Co., 401 Mulberry St., Newark, N. J.
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
REMINGTON Rand, Inc., 205 E. 42nd St., New York
STAFFORD, S. S., 609 Washington St., New York
STORMS, H. M., Co., 561 Grand St., Brooklyn, N. Y.
UNDERWOOD Corp., 1 Park Ave., New York 16, N. Y.

CELLOPHANE

1 Bags
 2 Cord
 3 Envelopes
 4 Ribbon
 5 Twine
 1 2 3 4 5
DANIELS Mfg. Company, Rhinelander, Wisc.
DOBECKMUN Co., 3301 Monroe Ave., Cleveland, Ohio
 1 2 3 4 5
MIAMI Valley Coated Paper Co., Oxford Road, Franklin, Ohio
UNITED States Envelope Co., 21 Cypress St., Springfield 2, Mass.
 1 3

CLOTH-LINED PAPER

GUMMED Products Co., The, S. Union & West Sts., Troy, Ohio
HOLLISTON Mills, Inc., The, Lenox St., Norwood, Mass.
 ★**McLAURIN-Jones Co.**, 744 Phillip Ave., Brookfield, Mass.
MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
NASHUA Gummed & Coated Papers, 44 Franklin St., Nashua, N. H.
REXFORD Paper Co., 1715 W. Canal St., Milwaukee 3, Wisc.
UNITED Mfg. Co., 168 Birnie Ave., Springfield, Mass.

COVER PAPERS

1 Acetate Film Surface
 2 Coated
 3 Decorative
 4 Duplex
 5 Embossed Finish
 6 Pyroxilin Coated
 7 Rag Content
 8 Sulphite
 9 Velour One Side
 1 2 3 4 5 6 7 8 9
ALBEMARLE Paper Mfg. Co., Richmond, Va.
ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
APPLETON Coated Paper Co., Appleton, Wis.
BECKETT Paper Co., Hamilton, Ohio
BEVERIDGE Paper Co., Indianapolis, Ind.
 6 8

1 2 3 4 5 6 7 8 9
 ★**CANTINE, Martin, Co.**, Saugerties 1, N. Y.
 2
CAREW Mfg. Co., Hadley Falls, Mass.
CELLUSUEDE Products, Inc., 500 N. Madison St., Rockford, Ill.
CENTRAL Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
 ★**CHAMPION Paper & Fibre Co.**, Hamilton, Ohio
 2 5 8
CHEMICAL Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 5 7 8
COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 2 3 4 5
CROCKER-Burbank Paper, Inc., 545 Westminster St., Fitchburg, Mass.
 2
 ★**DENNISON Mfg. Co.**, Framingham, Mass.
DILL & Collins, Inc., 230 Park Ave., New York 17
 2
DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., N. W., Washington 7, D. C.
 3 5 7 8 9
DOBECKMUN Co., 3301 Monroe Ave., Cleveland 13
EASTERN Corp., Bangor, Me.
 8
 ★**EASTMAN Kodak**, 343 State, Rochester 4, N. Y.
 1
GILBERT Paper Co., Menasha, Wis.
 7
 ★**HAMILTON, W. C., & Sons**, Miquon, Montgomery County, Pa.
 7 8
 ★**HAMMERMILL Paper Co.**, 1490 E. Lake Rd., Erie, Pa.
 2 5 8
HAMPDEN Glazed Paper & Card Co., Holyoke, Mass.
 3
HOLYOKE Card & Paper Co., Fiske Ave., Springfield 7, Mass.
 3 5
KNOWLTON Brothers, 213 Factory St., Watertown, N. Y.
 7
LEE Paper Co., Vicksburg, Mich.
 8
LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 5
LINWEAVE, 21 Cypress St., Springfield 2, Mass.
 2 3 4 5
MARVELLUM Co., Appleton St., Holyoke, Mass.
 ★**McLAURIN Jones Co.**, 744 Philip Ave., Brookfield, Mass.
 ★**MEAD Sales Co.**, 118 W. First St., Dayton 2, Ohio
 2 3 4 5 8
MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
 6
MILLER Paper Co., 80 Wooster St., New York 12
 2 6
MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
 8
NEW Pork & Pennsylvania Co., Lock Haven, Pa.
 ★**OXFORD Paper Co.**, 230 Park Ave., New York 17
 2
PAPER Corp. of America, 350 Fifth Ave., New York 1, N. Y.
 8
PENINSULAR Paper Co., Ypsilanti, Mich.
 8
PLASTIC Coating Corp., Holyoke, Mass.
 6
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
 5
REX Paper Co., Kalamazoo, Mich.
 2
RIEGLER Paper Corp., 342 Madison Ave., New York 17, N. Y.
 3 5
ROCHESTER Paper Co., Rochester, Mich.
 8
 ★**ST. REGIS Paper Co.**, 230 Park Ave., New York, N. Y.
SORG Paper Co., Middletown, Ohio
 1 2 4 5 7 8
SPRINGFIELD Coated Paper Corp., Camden, N. J.
 2 3 4 5 6
STANDARD Paper Mfg. Co., Richmond, Va.
 8
 ★**STRATHMORE Paper Co.**, West Springfield, Mass.
 7 8
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 8
UNITED Mfg. Co., 168 Birnie Ave., Springfield 7, Mass.
 5
WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
 2
WATERLIET Paper Co., Watervliet, Mich.
 2
WHEELWRIGHT Papers, Inc., 230 Park Ave., New York 17, N. Y.
 3 4 5
WHITING, George A., Paper Co., Menasha, Wis.
 8
WYOMISSING Glazed Paper Co., Reading, Pa.
 2 3 5



DECALCOMANIA

★**DENNISON Mfg. Co.**, 300 Howard St., Framingham, Mass.
MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
NASHUA Gummed & Coated Papers, 44 Franklin St., Nashua, N. H.
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1, N. Y.

DIE WIPERS

CENTRAL Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
PAPER Mfrs. Co., Fifth & Willow Sts., Philadelphia 23, Pa.
SORG Paper Company, Middletown, Ohio

DUPLICATOR

1 Master Copy
 2 Rag Content
 3 Sulphite
 1 2 3
AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
 3
APPLETON Coated Paper Co., Appleton, Wis.
 1 3
BADGER Paper Mills, Inc., Peshtigo, Wis.
 3
DITTO, Inc., 2243 W. Harrison St., Chicago 12, Ill.
 1 2 3
EASTERN Corporation, Bangor, Me.
 3
FRASER Paper, Ltd., 420 Lexington Ave., New York, N. Y.
 1
GLATFELTER, P. H., Co., Spring Grove, Pa.
 3
 ★**HAMMERMILL Paper Co.**, 1490 E. Lake Rd., Erie, Pa.
 1 3
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
 ★**INTERNATIONAL Paper Co.**, 220 East 42nd St., New York 17, N. Y.
 3
 ★**MEAD Sales Co.**, 118 W. First St., Dayton 2, Ohio
 3
MIAMI Valley Coated Paper Co., Franklin, Ohio
 1 3
MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
 3
MUNISING Paper Co., 135 S. LaSalle St., Chicago 3
 3
 ★**NEKOOSA-Edwards Paper Co.**, Port Edwards, Wis.
 1 3
PAPER Corp. of America, 350 Fifth Ave., New York 1, N. Y.
 3
SORG Paper Co., Middletown, Ohio
 3
STANDARD Duplicating Machines Corp., 1935 Revere Parkway, Everett 39, Mass.
 1 3
WAUSAU Paper Mills, 111 W. Washington St., Chicago, Illinois
 3
 ★**WESTON, Byron, Co.**, Main St., Dalton, Mass.
 2



ENVELOPE MANUFACTURERS

AMERICAN Envelope Co., Inc., West Carrollton, Ohio
AMERICAN Paper Goods Co., Kensington, Conn.
AMES Safety Envelope Co., Somerville, Mass.
BOURKE-Rice Envelope Co., 520 S. Clinton St., Chicago, Ill.
CUPPLES-Hess Corp., 4175 Kingshighway Blvd., St. Louis, Mo.
CURTIS 1000, Inc., St. Paul, Minn.

STEWART'S EMBOSSED BOARD Makes Embossing Easy

Needs no heating or melting—Simply wet it, attach it to tympan and let press run until dry. Sheets 5 3/4 x 9 1/2 inches. \$1.25 a dozen postpaid.

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 309 W. Jackson Blvd. • Chicago 6, Ill.

★DAYTON Envelope Co., Dayton, Ohio
 GAW-O'Hara Envelope Co., 500 N. Sacramento Blvd., Chicago, Ill.
 ★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
 KARLTON Envelope Co., 1521 W. Harrison St., Chicago, Ill.
 KENT Paper Co., 159 Varick St., New York, N. Y.
 NORTHERN States Envelope Co., Inc., 300 E. Fourth St., St. Paul 1, Minn.
 OLD Colony Envelope Co., Westfield, Mass.
 OUTLOOK Envelope Co., 1001 W. Washington Blvd., Chicago, Ill.
 UNITED States Envelope Co., 21 Cypress St., Springfield, Mass.
 WESTERN States Envelope Co., 1616 W. Pierce St., Milwaukee 4, Wis.
 WHITING Paper Co., Holyoke, Mass.

F**FLAMEPROOF**

CENTRAL Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
 HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
 MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
 SORG Paper Co., Middletown, Ohio

G**GLASSINE, PAPER (PLAIN AND EMBOSSED)**

DANIELS Mfg. Co., Rhinelander, Wis.
 DEERFIELD Glassine Co., Monroe Bridge, Mass.
 GLASSINE Paper Co., Conshohocken, Pa.
 RIEGEL Paper Corp., 342 Madison Ave., New York 17, N. Y.
 WESTFIELD River Paper Co., Inc., Russell, Mass.

GREETING CARD (See Under Book, Uncoated)**GUMMED CLOTH TAPE, GUMMED HOLLANDS, GUMMED LABEL**

★BROWN-Bridge Mills, Inc., Troy, Ohio
 CHICAGO Gum Tape Co., 855 W. Adams St., Chicago 7, Ill.
 ★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
 GUMMED Products Co., S. Union St., Troy, Ohio
 GUMMED Tape & Devices Co., 1318-20 60th St., Brooklyn 19, N. Y.
 ★McLAURIN Jones Co., 744 Philip Ave., Brookfield, Mass.
 MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
 NASHUA Gummed & Coated Papers, 44 Franklin St., Nashua, N. H.
 PAPER Manufacturers Co., Fifth & Willow Sts., Philadelphia 23, Pa.
 REXFORD Paper Co., 1715 W. Canal St., Milwaukee 3, Wis.
 ★ST. REGIS Paper Co., 230 Park Ave., New York, N. Y.

GUMMED OFFSET

★BROWN-Bridge Mills, Inc., Troy, Ohio
 ★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
 GUMMED Products Co., S. Union St., Troy, Ohio
 ★McLAURIN Jones Co., 744 Philip Ave., Brookfield, Mass.
 MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
 PAPER Manufacturers Co., 5th & Willow Sts., Philadelphia 23, Pa.

H**HEAT SEAL LABEL**

★BROWN-Bridge Mills, Inc., Troy, Ohio
 ★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
 MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
 NASHUA Gummed and Coated Papers, 44 Franklin St., Nashua, N. H.
 PAPER Manufacturers Co., 5th & Willow Sts., Philadelphia 23, Pa.
 PLASTIC Coating Corp., Holyoke, Mass.

L**LEDGERS (See Bonds and Ledgers)****M****MANIFOLDS AND ONION SKINS (THIN PAPER) (See Bonds and Ledgers)****MANILLA (See Book, Uncoated)****METALLIC (FOIL)**

ALUMINUM Co. of America, Pittsburgh, Pa.
 CENTRAL Paper Co., Inc., 2404 Lake Shore Dr., Muskegon, Mich.
 DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., N. W., Washington 7, D. C.
 GUMMED Products Co., S. Union St., Troy, Ohio
 HAMPDEN Glazed Paper & Card Co., Holyoke, Mass.
 HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
 JOHNSTON Tin Foil & Metal Co., The, St. Louis
 MARVELLUM Co., The, Holyoke, Mass.
 ★McLAURIN-Jones Co., Brookfield, Mass.
 MILLER Paper Co., 80 Wooster St., New York 12
 NASHUA Gummed & Coated Paper Co., 44 Franklin St., Nashua, N. H.
 REYNOLDS Metals Co., Richmond, Va.
 WYOMISSING Glazed Paper Co., Reading, Pa.

MIMEOGRAPH (See Bond and Ledgers)**N****NEWSPRINT**

★INTERNATIONAL Paper Co., 220 E. 42nd St., New York 17, N. Y.
 PRICE Bros. & Co., Price House, Quebec, Canada
 WRIGHT Co., 444 Madison Ave., New York

O**OPAQUE**

AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
 AETNA Paper Co., Dayton, Ohio
 BECKETT Paper Co., Hamilton, Ohio
 CHILLICOTHE Paper Co., Chillicothe, Ohio
 EASTERN Corporation, Bangor, Me.
 FOX River Paper Corp., Appleton, Wis.
 HAMILTON, W. C., & Sons, Miquon, Pa.
 ★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
 HAWTHORNE Paper Co., E. Michigan Ave., Kalamazoo, Mich.
 ★INTERNATIONAL Paper Co., 220 East 42nd St., New York 17, N. Y.
 MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
 STANDARD Paper Mfg. Co., Richmond, Va.

OPAQUE BONDS

AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
 CROCKER-McElwain Co., Holyoke, Mass.
 FOX River Paper Corp., 401 S. Appleton St., Appleton, Wis.
 FRASER Paper, Ltd., 420 Lexington Ave., New York 17, N. Y.
 GILBERT Paper Co., Menasha, Wis.
 HAMILTON, W. C., & Sons, Miquon, Pa.
 HAWTHORNE Paper Co., E. Michigan Ave., Kalamazoo, Mich.
 MILLERS Falls Paper Co., Mill Rd., Millers Falls, Mass.
 NEENAH Paper Company, Neenah, Wis.
 ★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
 PAPER Corporation of America, 350 Fifth Avenue, New York 1, N. Y.
 PORT Huron Sulphite & Paper Co., Port Huron, Mich.
 RISING Paper Company, Park St., Housatonic, Mass.
 ★STRATHMORE Paper Co., West Springfield, Mass.
 VALLEY Paper Co., Holyoke, Mass.
 WAUSAU Paper Mills, 111 W. Washington St., Chicago, Ill.
 WHITTING-Plover Paper Co., Stevens Point, Wis.
 WHITING Paper Co., Holyoke, Mass.

P**PARCHMENT**

PATERSON Parchment Paper Co., Bristol, Pa.
 ★STRATHMORE Paper Co., West Springfield, Mass.
 WEST Carrollton Parchment Co., West Carrollton, Ohio

PARCHMENT, ARTIFICIAL (DIPLOMA)

CRANE & Co., Dalton, Mass.
 ★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
 ★STRATHMORE Paper Co., West Springfield, Mass.

PHOTO MOUNT (See Board)**POST CARD (See Bristols)****PROOFING (See Coated Book)****R****ROTOGRAVURE (See Book, Uncoated)****S****SAFETY (CHECK, BANK NOTE)**

CAREW Mfg. Co., South Hadley Falls, Mass.
 CRANE & Co., Dalton, Mass.
 FRASER Paper, Ltd., 420 Lexington Ave., New York, N. Y.
 GILBERT Paper Co., Menasha, Wis.
 GURNEY Security Paper Co., 68 Washington St., Brooklyn 1, N. Y.
 ★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
 HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
 LAMONTE, George, & Son, Nutley 10, N. J.
 ★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
 PERFECT Safety Paper Co., 102 Winter St., Holyoke, Mass.

T**TAG BOARD (See Board)****TYMPAN (DRAWSHEET)**

CENTRAL Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
 ★CROMWELL Paper Co., 4801 S. Whipple St., Chicago 32, Ill.
 HOLLINGSWORTH & Vose Co., 112 Washington St., East Walpole 1, Mass.
 HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
 MINNESOTA Mining & Mfg. Co., 900 Fauquier St., St. Paul 6, Minn.
 RIEGEL Paper Corp., 342 Madison Ave., New York 17, N. Y.
 SEAMAN Paper Co., 1858 W. Hubbard St., Chicago 22, Ill.
 SORG Paper Company, Middletown, Ohio

U**UNION WATERMARKED**

★CONSOLIDATED Water Power & Paper Co., Wisconsin Rapids, Wis.
 HOPPER Paper Co., Taylorville, Ill.
 ★INTERNATIONAL Paper Co., 220 East 42nd St., New York 17, N. Y.
 MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.

V**VELLUM, WEDDINGS (See Book, Uncoated)****W****WRITINGS (See Bond and Ledger)**

INDEX TO POPULAR BRAND NAMES

A

ACADEMY (Bond)—Valley Paper Co., Holyoke, Mass.

ACCEPTANCE (Bond, Ledger, Bristol)—American Writing Paper Co., Holyoke, Mass.

ACCOUNTANTS (Ledger)—Linton Bros. Co., Fitchburg, Mass.

ACTION (Bond, Ledger)—Crocker-McElwain Co., Holyoke, Mass.

ADENA (Book)—Chillicothe Paper Co., Chillicothe, Ohio

ADIRONDAK (Bond, Ledger)—International Paper Co., 220 E. 42nd St., New York 17, N. Y.

ADVANCE (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.

ADVERTISERS (Bond)—Watervliet Paper Co., Watervliet, Mich.

ADVOCATE (Bond, Ledger)—Brightwater Paper Co., Adams, Mass.

AGAWAN (Bond, Bristol, Onion Skin)—American Writing Paper Corp., Holyoke, Mass.

AIRWEIGHT (Onion Skin)—Ward Paper Co., Merrill, Wis.

ALBEMARLE (Blotting, Cover)—Albemarle Paper Co., Richmond, Va.

ALBION (Book)—American Writing Paper Corp., Holyoke, Mass.

ALEXANDRA (Bond)—Strathmore Paper Co., West Springfield, Mass.

ALEXIS (Drawing Paper)—Strathmore Paper Co., West Springfield, Mass.

ALL AMERICAN (Bond)—Harding-Jones Paper Co., Middletown, Ohio

AMERICAN (Book, Cover, Text)—American Writing Paper Corp., Holyoke, Mass.

ANCHOR (Safety)—George LaMonte & Son, Holyoke, Mass.

ANDORA (over, Text)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.

ANGLO-SAXON (Bond)—Carew Mfg. Co., Hadley Falls, Mass.

ANGORA (Wedding)—Whiting Paper Co., Holyoke, Mass.

ANNIVERSARY (Bond, Ledger)—Fox River Paper Corp., Appleton, Wis.

APPLETON (Book, Litho)—Appleton Coated Paper Co., Appleton, Wis.

APPRAISAL (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.

AQUASET (Book)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.

AQUASTRONG (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.

ARDOR (Bond, Ledger, Duplicate, Mimeograph)—Nekosa-Edwards Paper Co., Port Edwards, Wis.

ARIEL (Bond, Cover)—Champion Paper & Fibre Co., Hamilton, Ohio

ART (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.

ARTESIAN (Bond, Ledger)—Whiting-Plover Paper Co., Stevens Point, Wis.

ASHBY (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.

ATHOS (Cover)—United Manufacturing Co., 168 Birnie Ave., Springfield 7, Mass.

ATLANTIC (Bond, Cover, Duplicate, Ledger, Mimeograph)—Eastern Corporation, Bangor, Me.

AUDUBON (Cover, Text)—Hurlbut Paper Co., South Lee, Mass.

AURELIAN (Text)—Worthy Paper Co., West Springfield, Mass.

B

BADGER (Bond)—Badger Paper Mills, Inc., Peshigo, Wis.

BANKERS (Safety)—George LaMonte & Son, Nutley 10, N. J.

BANKERS (Blotting)—Standard Paper Mfg. Co., Richmond, Va.

BANTAM (Onion Skin)—Chemical Paper Mfg. Co., Holyoke, Mass.

BASKET WEAVE (Safety)—George LaMonte & Son, Nutley 10, N. J.

BASKET WEAVE (Blotting)—The Wrenn Paper Co., Middletown, Ohio

BAYFIELD (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.

BAY PATH (Bond)—Strathmore Paper Co., West Springfield, Mass.

BEAU BRILLIANT (Bond)—Strathmore Paper Co., West Springfield, Mass.

BECKETT (Announcement, Book, Cover)—Beckett Paper Co., Hamilton, Ohio

BEE'S WING (Onion Skin)—International Paper Co., 220 E. 42d St., New York 17, N. Y.

BENNETT (Bristol)—Chemical Paper Mfg. Co., Holyoke, Mass.

BETA (Bristol)—Franklin Paper Co., Holyoke, Mass.

BIBLIOPAKE (Bible)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.

BLACK & WHITE (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.

BLACKSTONE (Book)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.

★BLACKSTONE (Bond)—Byron Weston Paper Co., Dalton, Mass.

BLANCA (Litho)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.

BLUEBIRD (Blotting)—The Wrenn Paper Co., Middletown, Ohio

★BLUE STAR (Gummed Tape)—McLaurin-Jones Co., 744 Philip Ave., Brookfield, Mass.

BLU-KORE TREAD (Gummed Tape)—Gummed Products Co., S. Union St., Troy, Ohio

BOOKCRAFT (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.

BORDER (Bond, Onion Skin)—Fraser, Ltd., 420 Lexington Ave., New York 17, N. Y.

BRENTWOOD (Announcement, Wedding Bristol, Cut Cards, Envelope, Wedding)—Linweave, 21 Cypress St., Springfield 2, Mass.

BREWSTER (Wedding)—Crocker-McElwain Co., Holyoke, Mass.

BRIDAL WHITE (Wedding)—Keith Paper Co., Turners Falls, Mass.

BRIGHTWATER (Bond, Ledger)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.

BRIGHTWOOD (Box Covering, Bristol, Showcard)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.

BRILLIANTONE (Book, Litho)—The Miami Valley Coated Paper Co., Oxford Rd., Franklin, Ohio

BRITHEUE (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.

BRITENESS (Bond, Book, Bristol, Onion Skin)—North American Pulp & Paper Co., Cheboygan, Mich.

BROKAW (Offset)—Wausau Paper Mills, 111 W. Washington St., Chicago 2, Ill.

★BROTHERHOOD (Union) (Bond, Book, Ledger, Union Watermarked)—International Paper Co., 220 E. 42d St., New York 17, N. Y.

BROWN-BRIDGE (Label)—Brown-Bridge Mills, Inc., E. Water St., Troy, Ohio

BROWN'S FINE (Ledger)—L. L. Brown Paper Co., Adams, Mass.

BROWN'S LINEN (Ledger)—L. L. Brown Paper Co., Adams, Mass.

BUCKEYE (Cover, Text)—Beckett Paper Co., Hamilton, Ohio

BUCKHIDE (Manila, and other Tag)—Sorg Paper Co., Middletown, Ohio

BUSINESS (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.

C

CAMBRAI (Bond)—Keith Paper Co., Turners Falls, Mass.

★CANFOLD (Cover)—Martin Cantine Co., Saugerties 1, N. Y.

★CANTINE'S (Bond, Cover)—Martin Cantine Co., Saugerties 1, N. Y.

CAREW FOUR STAR (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.

★CARILLON (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.

CARLTON (Bond, Duplicate, Ledger)—The North-west Paper Co., Cloquet, Minn.

CASCADE (Book)—Watervliet Paper Co., Watervliet, Mich.

CASHERS (Safety)—Perfect Safety Paper Co., 102 Winter St., Holyoke, Mass.

CASLON (Bond)—Munsing Paper Co., 135 S. LaSalle St., Chicago 3, Ill.

CATSKILL (Book, Litho)—Martin Cantine Co., Saugerties 1, N. Y.

CAVALIER (Blotting)—Albemarle Paper Mfg. Co., Richmond, Va.

CECIL (Book)—Jessup & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.

★CELLUGLOSS (Book, Box Covering, Litho, Proofing)—St. Regis Paper Co., 230 Park Ave., New York 2

CELLUSUEDE (Cover)—Cellusuede Products, Inc., 500 N. Madison St., Rockford, Ill.

★CENTENNIAL (Ledger)—Byron Weston Co., Main St., Dalton, Mass.

CENTRALINE (Bristol, Cover, Kraft, Ledger, Manila, Poster Print, Onion Skin, Towels, Tyman, Waterproof, Waxed)—Central Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.

CENTURION PARCHMENT (Bond)—Keith Paper Co., Turners Falls, Mass.

CERTIFICATE (Bond, Book, Bristol, Ledger, Post Card)—Crocker-McElwain Co., Holyoke, Mass.

CERTIFINE (Tyman)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.

★CERULEAN (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.

CHALFONTE (Wedding)—Keith Paper Co., Turners Falls, Mass.

CHAMELEON (Cover)—Springfield Coated Paper Corp., Camden, N. J.

★CHAMPAIS (Text)—Chillicothe Paper Co., Chillicothe, Ohio

★CHATEAU (Announcement, Bristol, Cut Cards, Envelope, Wedding)—Linweave, 21 Cypress St., Springfield 2, Mass.

CHEMCO (Bristol)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.

CHESTER (Wedding)—American Writing Paper Corp., Holyoke, Mass.

★CHESTERLYN (Wedding)—Strathmore Paper Co., West Springfield, Mass.

CHIEFTAN (Bond)—Neenah Paper Co., Neenah, Wis.

CLARION (Book, Cover, Litho, Rotogravure and Gravure)—New York & Pennsylvania Co., Lock Haven, Pa.

CLEARCOPY (Onion Skin)—Esleek Mfg. Co., Turners Falls, Mass.

CLYDESDALE (Bond)—Keith Paper Co., Turners Falls, Mass.

COCKLESTONE (Bond, Opaque)—Hammermill Paper Co., Erie, Pa.

COLD SPRINGS (Bond, Ledger, Onion Skin)—Whiting-Plover Paper Co., Stevens Point, Wis.

COLDSTREAM (Writing)—Linweave, 21 Cypress St., Springfield 2, Mass.

COLORADO NATIONAL (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.

COLORFOLD (Cover)—Martin Cantine Co., Saugerties 1, N. Y.

COLORKOTE (Book)—Champion Paper & Fibre Co., Hamilton, Ohio

COLUMBIAN (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.

COMET (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.

COMMERCIAL (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.

COMMERCIAL (Blotting)—Joseph Parker & Son Co., 1153 Whaley Ave., New Haven 13, Conn.

CONTRA (Onion Skin)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.

CONTRACT (Bond, Cover, Ledger, Onion Skin)—American Writing Paper Corp., Holyoke, Mass.

COPYDEX (Duplicate)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.

COPYRITE (Second Sheets)—Badger Paper Mills, Inc., Peshigo, Wis.

CORPKAK (Tyman)—Corpak Co., 45 South St., Mt. Vernon, N. Y.

CORONA (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.

★CORDWAIN (Cover)—Champion Paper & Fibre Co., Hamilton, Ohio

CORONE (Cover, Text)—Worthy Paper Co., West Springfield, Mass.

CORRECT (Bond)—Aetna Paper Co., Dayton, Ohio

COSMOS (Blotting)—Standard Paper Mfg. Co., Richmond, Va.

COUPON (Bond)—American Writing Paper Corp., Holyoke, Mass.

COURT (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.

CRAFTSMEN (Mimeograph)—Standard Paper Mfg. Co., Richmond, Va.

CRANE'S (Bible, Bond)—Crane & Co., Inc., 30 South St., Dalton, Mass.

CREST (Ledger)—Parsons Paper Co., Holyoke, Mass.

CROBANK (Book, Litho)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.

★CROMWELL (Tyman)—Cromwell Paper Co., 4801 S. Whipple St., Chicago 32, Ill.

CUMBERLAND (Book, Bristol, Cover)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.

CURL-CURL (Blotting)—Standard Paper Mfg. Co., Richmond, Va.

CURRENCY (Cover)—Appleton Coated Paper Co., Appleton, Wis.

CURRENCY (Ledger)—Whiting Paper Co., Holyoke, Mass.

CUSTOM (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.

CZAR (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.

D

DACLAN (Text)—Worthy Paper Co., West Springfield, Mass.

DAILY SALES (Book, Bristol, Cover, Onion Skin)—Chemical Paper Mfg. Co., Holyoke, Mass.

D'ARTAGNAN (Cover)—United Mfg. Co., 168 Birnie Ave., Springfield 7, Mass.

DARTFORD (Bond)—Carew Mfg. Co., Hadley Falls, Mass.

DE & SE TINTS (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.

DECOFOLD (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.

★DEEPLAKE (Bristol, Duplicate, Ledger, Mimeograph, Post Card, Writing)—Hammermill Paper Co., Erie, Pa.

DEFENDUM (Ledger)—Parsons Paper Co., Holyoke, Mass.

★DEFIANCE (Ledger, Bond, Bristol)—Byron Weston Co., Main St., Dalton, Mass.

DEJONGE (Litho)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.

DELIBLE (Bond, Onion Skin)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.

DENSOR FIFTY (Bond)—Valley Paper Co., Holyoke, Mass.

DENSOR 25 (Bond, Onion Skin)—Valley Paper Co., Holyoke, Mass.
 DEPENDABLE (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
 DEPENDENCE (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.
 DICTATION (Bond, Ledger, Onion Skin)—Fox River Paper Corp., Appleton, Wis.
 DILCOL (Bristol)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 DIRECT PROCESS (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
 DISCO (Blotting, Box Covering, Cover)—District of Columbia Paper Mills, Inc., Potomac & K Sts., N. W., Washington 7, D. C.
 DOCUMENT (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 DORCHESTER (Book)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 DREADNAUGHT (Bond, Bristol, Ledger)—Gilbert Paper Co., Menasha, Wis.
 DREXEL (Announcement, Bristol, Cut Cards, Envelopes, Wedding)—Linweave, 21 Cypress St., Springfield 2, Mass.
 DRUMHEAD (Tyman)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
 ★DUALITE (Second Sheets)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
 DULBRITE (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 DULFOFOLD (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
 DUNDEE (Text)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 DUO—Martin Cantine Co., Saugerties 1, N. Y.
 DUOPAQUE (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 DUORUN (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
 DUPEXKOTE (Envelope)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 DUPLIKOTE (Bond, Duplicator)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 DURALITE (Cover)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
 DURAMAIL (Envelopes)—Old Colony Envelope Co., Westfield, Mass.
 DURATAG (Board)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.

EAGLE-A (Announcement, Writing)—American Writing Paper Corp., Holyoke, Mass.
 EARLY AMERICAN (Announcement, Cover, Envelopes, Text)—Linweave, 21 Cypress St., Springfield 2, Mass.
 EATONIAN (Bond, Ledger)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.
 ★ECONOMY (Cover)—Kimberly-Clark Corp., Neenah, Wis.
 EDMONT (Bond)—Parsons Paper Co., Holyoke, Mass.
 EDGEWORTH (Onion Skin)—Valley Paper Co., Holyoke, Mass.
 ELECTION (Bristol)—Appleton Coated Paper Co., Appleton, Wis.
 EMPIRE (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 ★EMPIRE (Book)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 EMPRESS (Book)—Appleton Coated Paper Co., Appleton, Wis.
 ★ENAMELINE (Book)—Mead Sales Co., 230 Park Ave., New York 17, N. Y.
 ENAMELED (Blotting)—Wrenn Paper Co., Middletown, Ohio
 ENGLISH (Bond, Ledger)—Fox River Paper Corp., Appleton, Wis.
 ★ENVOY (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.
 EQUATOR (Book, Bristol)—Sorg Paper Co., Middletown, Ohio
 ESCORT (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
 ★ESOPUS (Bristol)—Martin Cantine Co., Saugerties 1, N. Y.
 EXACT (Bond, Ledger)—Wausau Paper Mills, 111 W. Washington St., Chicago, Ill.
 EXCHANGE (Safety)—George LaMonte & Son, Nutley 10, N. J.
 EXPOSITION (Bond, Onion Skin)—Whiting Paper Co., Holyoke, Mass.

FABRATLEX (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 FABRIC (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
 ★FAIRFIELD (Announcement, Text)—Strathmore Paper Co., West Springfield, Mass.
 FAIRMOUNT (Book)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 ★FALPACO (Coated Blanks)—Falulah Paper Co., Falulah Road, Fitchburg, Mass.
 ★FEDWELL (Bond, Ledger, Mimeograph)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 FENWAY (Litho)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 FIBERFOLD (Bristol)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 FIDELITY (Onion Skin)—Esleek Mfg. Co., Turners Falls, Mass.
 ★FIESTA (Text)—Strathmore Paper Co., West Springfield, Mass.
 FILMKOTE (Book)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.

FINANCE (Bond, Bristol)—Rising Paper Co., Park St., Housatonic, Mass.
 FINE-FLAX (Onion Skin)—Ecusta Paper Corp., Pisgah Forest, N. C.
 FINE LETTER (Writing)—Linweave, 21 Cypress St., Springfield 2, Mass.
 FIRST CLASS (Ledger)—Carew Mfg. Co., Hadley Falls, Mass.
 FISCAL (Announcement)—Rising Paper Co., Park St., Housatonic, Mass.
 FITCHBURG (Box Lining, Envelope, Safety, Writing)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.
 ★FLAT-A-A-Pancake (Gummed Offset)—Brown-Bridge Mills, Inc., Troy, Ohio
 FLAT WHITE (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
 FLAX-O-Pake (Bible)—Ecusta Paper Corp., Pisgah Forest, N. C.
 FLAXON (Bond)—D. M. Bare Paper Co., Roaring Spring, Pa.
 FLEMISH (Book)—Tilston & Hollingsworth Co., 212 Congress St., Boston 7, Mass.
 FOLDETT (Book, Cover)—Watervliet Paper Co., Watervliet, Mich.
 FORT ANCIENT (Bond, Ledger)—Harding-Jones Paper Co., Middletown, Ohio
 FORTUNE (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 FORWARD (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
 407 DOCUMENT (Tag)—Hollingsworth & Whitney Co., 60 Battery March St., Boston 2, Mass.
 FRANCONIA (Bond, Ledger)—Parker-Young Co., 131 State St., Boston 9, Mass.
 FRANKLIN (Blanks, Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
 FRANKLIN (Main)—George A. Whiting Paper Co., Menasha, Wis.
 FRA-OPAQUE (Book)—Fraser, Ltd., 420 Lexington Ave., New York 17, N. Y.
 FRENCH FOLIO (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.

★GABARDINE (Text)—Strathmore Paper Co., West Springfield, Mass.
 GENERAL DEMAND (Kraft)—Central Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
 GEORGIAN (Cover, Text)—Worthy Paper Co., West Springfield, Mass.
 GIBLART (Onion Skin)—Miller Falls Paper Co., Mill Road, Millers Falls, Mass.
 GLACIER (Bond)—Neenah Paper Co., Neenah, Wis.
 GLEN (Board)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
 GLENDAL (Wedding)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 GLOSSETT (Book)—Watervliet Paper Co., Watervliet, Mich.
 GLOSS INK (Litho)—Watervliet Paper Co., Watervliet, Mich.
 GLENBOURN (Text)—Hurlbut Paper Co., South Lee, Mass.
 GLOSTONE (Bristol, Cover)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
 GOLD MEDAL (Duplicator)—Badger Paper Mills, Inc., Peshtigo, Wis.
 GREEN CORE (Gummed Tape, Gummed Hollands)—Mid-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
 GREYLOCK (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
 GROTON (Tyman)—Hollingsworth & Vose Co., 112 Washington St., East Walpole 1, Mass.
 GUARDIAN (Bond, Bristol, Ledger)—Crocker-McElwain Co., Holyoke, Mass.

HADRIAN (Text)—Worthy Paper Co., West Springfield, Mass.
 HALMOON (Bond)—Mohawk Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
 ★HAMILTON (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
 HAMILTON (Ledger, Mimeograph)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
 ★HAMMERMILL (Bond, Book, Bristol, Cover, Duplicator, Envelope, Ledger, Mimeograph, Offset, Opaque, Safety, Writing)—Hammermill Paper Co., Erie, Pa.
 HAND AND ARROWS (Writing)—Worthy Paper Co., West Springfield, Mass.
 HARDWEAR (Duplicator)—Ditto Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
 HAWKEYE (Book)—Michigan Paper Co., Plainwell, Mich.
 HAWTHORNE (Bond, Book, Ledger, Parchment, Onion Skin)—Hawthorne Paper Co., E. Michigan Ave., Kalamazoo, Mich.
 HEATHER (Bond)—Eastern Corporation, Bangor, Me.
 HERCULEAN (Cover)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 HERCULITE (Book)—Crocker Burbank Paper, Inc., 545 Westminster St., Fitchburg, Mass.
 HERITAGE (Bond)—Parsons Paper Co., Holyoke, Mass.
 HERMES (Book)—Crocker Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
 HIGH GLOSS (Blotting)—Albemarle Paper Mfg. Co., Richmond, Va.
 HIGHLIGHT (Bristol)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 HILLCOURT (Bible, Book, Wedding)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.

HILLCREST (Bible, Book, Litho)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.
 HILLSDALE (Announcement)—Rising Paper Co., Park St., Housatonic, Mass.
 HILLSIDE (Bond)—Harding-Jones Paper Co., Middletown, Ohio
 HI-LUSTRE (Blotting)—Wrenn Paper Co., Middletown, Ohio
 HISPEED (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
 HOLLINGSWORTH (Die Wiping, Index, Tag, Tyman)—Hollingsworth & Whitney Co., 60 Battery March St., Boston 2, Mass.
 ★HOLMESDALE (Bond)—Byron Weston Co., Main St., Dalton, Mass.
 HOMESPUN (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 HONOR (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
 ★HOWARD (Bond, Ledger, Mimeograph)—Howard Paper Co., Urbana, Ohio
 ★HUDSON (Book, Litho)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 HURLBUT (Parchment)—Hurlbut Paper Co., South Lee, Mass.
 HURON (Carbon Paper, Onion Skin, Waxed)—Port Huron Sulphite & Paper Co., Port Huron, Mich.

IAMA (Towels)—Central Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
 IDEAL (Litho)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 ILLUSTRATION (Bond)—Michigan Paper Company, Plainwell, Mich.
 ★ILLUSTRATION (Drawing)—Strathmore Paper Company, West Springfield, Mass.
 ★IMPERIAL (Uncolored Book)—Mead Sales Co., Inc., 118 W. 1st St., Dayton 2, Ohio
 INDIAN (Blotting, Covers)—Rochester Paper Co., Rochester, Mich.
 INDIAN HEAD (Cover)—Knowlton Brothers, 213 Factory St., Watertown, N. Y.
 INDOPAQUE (Bible)—Crane & Co., Inc., 30 South St., Dalton, Mass.
 INDUSTRIAL (Cover, Waterproof)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 INSERT (Book)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 INSPIRATION (Bond, Book, Envelope)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
 INTERNATIONAL (Cover)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 ★INTERNATIONAL (Book, Duplicator)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 INTERWOVEN (Cover)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
 INTERLACE (Text)—Rising Paper Co., Park St., Housatonic, Mass.
 ★INVENTORY (Bristol)—Champion Paper & Fibre Co., Hamilton, Ohio
 IONIC (Blanks, Bristol, Showcard)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 IRON TAG (Manila Tag)—Hollingsworth & Vose Co., 112 Washington St., East Walpole 1, Mass.

JAMES RIVER (Bond, Bristol, Wedding)—Standard Paper Mfg. Co., Richmond, Va.
 JEFFERSON (Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
 JESMORE (Book)—Jesup & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
 JEWELRY (Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
 ★JOURNEYMAN'S (Book)—International Paper Co., 220 E. 42d St., New York 17, N. Y.

K SPECIAL (Envelope)—Chillicothe Paper Co., Chillicothe, Ohio.
 KEITH (Bond, Ledger, Wedding)—Keith Paper Co., Turners Falls, Mass.
 KENMORE (Book, Mimeograph)—Jesup & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
 KENTONE (Book, Mimeograph)—Jesup & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
 KILMORY (Cover, Text)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
 ★KIMFECT LEVELCOAT (Book)—Kimberly-Clark Corp., Neenah, Wis.
 ★KIMRAY (Book)—Kimberly-Clark Corp., Neenah, Wis.
 KLO-KAY (Bond, Bristol, Mimeograph, Post Card)—Northwest Paper Co., Cloquet, Minn.
 ★KROMKOTE (Cast-coat Book)—Champion Paper & Fibre Co., Hamilton, Ohio
 KROYDEN (Cover)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.
 KRISTAL KLEAR (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
 K.V.P. (Bond, Book)—Kalamazoo Vegetable Parchment Co., Kalamazoo 99, Mich.

LACONIA (Bond)—Parsons Paper Co., Holyoke, Mass.
 LAIDTONE (Book, Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.

L'AILGON (Text)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 ★**LAKE LAND** (Book)—Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis.
LAMONTE (Safety)—George LaMonte & Son, Nutley 10, N. J.
LANDMARK (Wedding)—Keith Paper Co., Turners Falls, Mass.
 ★**LAURELITE** (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.
LEATHERCRAFT (Cover)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.
LEATHERET (Cover)—Riegel Paper Corp., 342 Madison Ave., New York 17, N. Y.
LEATHERETTE (Book)—Michigan Paper Co., Plainwell, Mich.
LEATHER-GLO (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
LEATHERLIGHT (Cover)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
LEATHEROID (Cover)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
LEGHORN (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
LENOX (Bond, Ledger)—Carew Mfg. Co., Hadley Falls, Mass.
LEONARDO (Text)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
 ★**LEXICON** (Book, Text)—Champion Paper & Fibre Co., Hamilton, Ohio
LIBRARIAN (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
LINETONE—Linton Brothers Co., 22 Rollstone St., Fitchburg, Mass.
LINE MARQUE (Writing)—Rising Paper Co., Park St., Housatonic, Mass.
LINOTONE (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
LINWEAVE (Announcement, Bristol, Cut Cards, Cover, Envelope, Social Stationery, Text, Wedding, Writing)—Linweave, 21 Cypress St., Springfield 2, Mass.
 ★**LITHOGLOSS** (Litho)—Martin Cantine Co., Saugerties 1, N. Y.
 ★**LITHOPRINT** (Litho)—Champion Paper & Fibre Co., Hamilton, Ohio
LITHOTINT (Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
LITHOTONE (Blotting)—Joseph Parker & Son Co., 1155 Whalley Ave., New Haven 15, Conn.
LODESTONE (Cover)—Hamden Glazed Paper & Card Co., Holyoke, Mass.
LOGAN (Book)—Chillicothe Paper Co., Chillicothe, Ohio
LOIS (Wedding)—Whiting Paper Co., Holyoke, Mass.
LONGRUN (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
LOUISE (Announcements)—Old Colony Envelope Co., Westfield, Mass.
LYNEX PARCHMENT (Bond)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.

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★**MACHINE POSTING** (Ledger)—Byron Weston Co., Dalton, Mass.
MADE(W)RIGHT (Bristol, Showcard)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
 ★**MAGAZINE** (Book)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 ★**MAINEFOLD** (Book, Cover)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.
 ★**MANAGEMENT** (Bond)—Hammermill Paper Co., Erie, Pa.
MANDATE (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
MANDO (Envelope, Kraft, Wrapping)—Minnesota & Ontario Paper Co., 205 W. Wacker Drive, Chicago 6
MANIFEST (Bond, Duplicator, Ledger, Mimeograph)—Eastern Corporation, Bangor, Me.
MARCO (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
MARLOWE (Text)—Worthy Paper Co., West Springfield, Mass.
MARLYN (Announcements)—Old Colony Envelope Co., Westfield, Mass.
MARVELHIDE (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
MARVELLEATHER (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
MASTER OF ARTS (Cover, Text)—Worthy Paper Co., West Springfield, Mass.
MAXOPAQUE (Cover)—Aetna Paper Co., Dayton, Ohio
 ★**MAXWELL** (Bond, Book)—Maxwell Paper Co., Franklin, Ohio
 ★**M. C.** (Book)—Martin Cantine Co., Saugerties 1, N. Y.
 ★**MEAD** (Bond, Ledger, Mimeograph, Duplicator)—Mead Sales Co., Inc., 118 W. 1st St., Dayton 2, Ohio
MECHANO FORM (Bristol, Ledger)—Parsons Paper Co., Holyoke, Mass.
MEDIA (Onion Skin)—Brownville Paper Co., Brownville, N. Y.
MERIT (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
MERRILL (Bond, Mimeograph)—Ward Paper Co., Merrill, Wis.
 ★**METER** (Meter, for Charts)—Hammermill Paper Co., Erie, Pa.
METTAPAN (Bristol)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
MIAMI (Board, Book, Box Covering, Bristol, Cover, Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio

MIAMITINT (Book)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
MIAMITONE (Book, Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
MICHIGAN (Book, Onion Skin)—Michigan Paper Co., Plainwell, Mich.
MIKADO (Vellum)—Knowlton Brothers, 213 Factory St., Watertown, N. Y.
MIDDLETOWN (Post Card)—Sorg Paper Co., Middletown, Ohio
MILLBROOK (Bond)—Keith Paper Co., Turners Falls, Mass.
MILLERS FALLS (Onion Skin)—Millers Falls Paper Co., Millers Falls, Mass.
 ★**MIMEO SCRIPT** (Mimeograph)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
 ★**MINGO** (Bond, Writing)—Chillicothe Paper Co., Chillicothe, Ohio
MINNONT (Book, Rotogravure and Gravure)—Minnesota & Ontario Paper Co., 205 W. Wacker Drive, Chicago 6, Ill.
MIRADOR (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
MITTSCHFIBRE (Wrapping)—Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17, Mich.
MOBILE (Tag)—Hollingsworth & Whitney Co., 60 Battery March St., Boston 2, Mass.
 ★**MODERN GLOSS** (Book)—Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis.
MOHAWK (Bristol, Cover, Duplicator, Envelope, Mimeograph, School Construction Paper, Union Watermarked)—Mohawk Paper Mills, Inc., 465 Saratoga St., Cohoes, N. Y.
 ★**MOISTRITE** (Bond, Book, Ledger, Duplicator, Mimeograph)—Mead Sales Co., Inc., 118 W. 1st St., Dayton 2, Ohio
MONARCH (Litho)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
MONO OUTLOOK (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
MONOPLANE (Bond)—P. H. Glatfelter Co., Spring Grove, Pa.
MOQUIN (Manila)—Hollingsworth & Whitney Co., 60 Battery March St., Boston 2, Mass.
 ★**MONTAGUE** (Poster Print)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
MONTAGUE (Wedding)—Keith Paper Co., Turners Falls, Mass.
MOROCCO (Cover)—Knowlton Brothers, 213 Factory St., Watertown, N. Y.
MOSAIC (Blotting)—Wrenn Paper Co., Middletown, Ohio
MOULD MADE (Cover)—Hurlbut Paper Co., South Lee, Mass.
MOUNTIE (Book, Litho)—Northwest Paper Co., Cloquet, Minn.
MOUNT VERNON (Text)—Hawthorne Paper Co., E. Michigan St., Kalamazoo, Mich.
MOZART (Announcements)—Old Colony Envelope Co., Westfield, Mass.
M. P. C. (Book)—Michigan Paper Co., Plainwell, Mich.
MULTYKOLOR (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N. Y.
MUSKEGON (Onion Skin)—Central Paper Co., 2404 Lake Shore Drive, Muskegon, Mich.
MUTUAL (Bond, Mimeograph, Onion Skin)—Whiting Paper Co., Holyoke, Mass.
MYRIAD (Onion Skin)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.

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★**NAMELO** (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
NATIONAL (Post Card)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
NATIONAL (Bond)—Harding-Jones Paper Co., Middletown, Ohio
NATIONAL (Safety)—George LaMonte & Son, Nutley 10, N. J.
NAVAGO (Bond, Cover, Ledger)—Mohawk Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.
NEENAH (Bond, Bristol, Ledger, Onion Skin)—Neenah Paper Company, Neenah, Wis.
 ★**NEKOOSA** (Bond, Duplicator, Ledger, Mimeograph, Writing)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
 ★**NEKOOSA-O-PAKE** (Bond)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
 ★**NEPCO** (Franked, Wrapping)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
NEPTUNE (Cover)—Knowlton Brothers, 213 Factory St., Watertown, N. Y.
NEW ENGLAND (Book, Bristol)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
NO-COAT GLOSS (Book)—Tilston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
 ★**NORSE** (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
 ★**NORTH STAR** (Book)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.
NORTH STAR (Book)—Northwest Paper Co., Cloquet, Minn.
NU-ART (Blotting)—Standard Paper Co., Richmond, Va.
NUGGETT (Cover)—United Mfg. Co., 168 Birnie Ave., Springfield 7, Mass.
NYPEN (Book, Litho)—New York & Pennsylvania Co., Lock Haven, Pa.

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OAK LEAF (Chalk Overlay)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
OLD BADGER (Bond, Ledger)—Fox River Paper Corp., Appleton, Wis.
OLD COUNCIL TREE (Bond, Onion Skin)—Neenah Paper Co., Neenah, Wis.
OLD DEVON (Bond, Ledger)—Keith Paper Company, Turners Falls, Mass.
OLD HAMPDEN (Bond)—Parsons Paper Co., Holyoke, Mass.
OLD HAMPSHIRE (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
OLD SOUTH (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
OLD SPANISH (Check)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
 ★**OLD STRATFORD** (Bond)—Strathmore Paper Co., West Springfield, Mass.
OLD TAVERN (Cover)—McLaurin-Jones Co., 744 Philip Ave., Brookfield, Mass.
OLD TREATY (Bond)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
OLDE STYLE (Book)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
OLYMPIC (Bristol)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N. Y.
OPACITONE (Book)—Chillicothe Paper Co., Chillicothe, Ohio
ORGANDIE (Wedding)—Whiting Paper Co., Holyoke, Mass.
 ★**OTIS** (Bristol)—International Paper Co., 220 E. 42d St., New York 17, N. Y.
OTSEGO (Blanks)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
OVERPRINT (Multi-Service) (Litho)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
 ★**OXFORD** (Book, Litho)—Oxford Paper Co., 230 Park Ave., New York 17, N. Y.

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PADLOCK (Safety)—Perfect Safety Paper Co., 102 Winter St., Holyoke, Mass.
PAPERGLASS (Glassine)—Westfield River Paper Co., Inc., Russell, Mass.
 ★**PAPERETRIE** (Bristol)—Strathmore Paper Co., West Springfield, Mass.
PARAMOUNT (Carbon)—Frye Mfg. Co., 301 University Ave., Des Moines 4, Iowa
PARATEX (Book)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
PARCHMENTONE (Book, Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22
PARKER'S (Blotting, Stereotype)—Joseph Parker & Son, 1155 Whalley Ave., New Haven 15, Conn.
PARKWORTH (Bond)—Parker-Young Co., 131 State St., Boston 9, Mass.
PARSONS (Bond, Bristol, Ledger)—Parsons Paper Co., Holyoke, Mass.
 ★**PASTELLE** (Text)—Strathmore Paper Co., West Springfield, Mass.
PATAPAR (Parchment)—Paterson Parchment Paper Co., Bristol, Pa.
PATAWITE (Onion Skin)—Paterson Parchment Paper Co., Bristol, Pa.
PATAX (Waxed)—Paterson Parchment Paper Co., Bristol, Pa.
 ★**PATENT OFFICE** (Drawing)—Strathmore Paper Co., West Springfield, Mass.
PAVCO (Onion Skin)—Valley Paper Co., Holyoke, Mass.
PEMI (Envelope, Ledger)—Parker-Young Co., 131 State St., Boston 9, Mass.
 ★**PENINK** (Mimeograph)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
PENINSULAR (Bristol, Cover, Litho)—Peninsular Paper Co., Ypsilanti, Mich.
PENNSYLVANIA (Bond, Book)—P. H. Glatfelter Co., Spring Grove, Pa.
PENORTYPE (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
PERFECTION (Decalcomania, Die Wipers, Gummed Label, Gummed Offset, Morsegraph)—Paper Manufacturers Co., Fifth & Willow Sts., Philadelphia 23, Pa.
PERMANIZED (Bond, Ledger, Parchment, Onion Skin, Writing)—Whiting-Plover Paper Co., Stevens Point, Wis.
PHELPS (Safety)—Perfect Safety Paper Co., 102 Winter St., Holyoke, Mass.
PIEDMONT (Book)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.
PILGRIM (Wedding)—Eastern Corporation, Bangor, Me.
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R

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 PHILADELPHIA 7, Pa.—253 N. 12th St.
 ST. LOUIS, Mo.—2226 Olive St.
 SAN FRANCISCO 11, Cal.—451 Sansome St.
★BROWN-Bridge Mills, Inc., Troy, Ohio

BRANCHES:
 BALTIMORE, Md.—707 Garrett Bldg.
 CHICAGO 5, Ill.—608 S. Dearborn St.
 NEW YORK, N. Y.—389 Fifth Ave.
 PHILADELPHIA, Pa.—2203 Packard Bldg.
 ST. LOUIS, Mo.—4053 Lindell Blvd.
 SAN FRANCISCO, Calif.—420 Market St.
 SEATTLE, Wash.—2416 First Ave.
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.

BRANCHES:
 LOS ANGELES 15, Cal.—1136 Maple Ave.
 PORTLAND 9, Ore.—1206 N.W. Hoyt St.
 SALT LAKE CITY 1, Utah—156 W. First St.
 SEATTLE 1, Wash.—2627 Western Ave.
CAPITOL Printing Ink Co., 821 3rd St., Des Moines 1, Iowa

BRANCHES:
 CHICAGO, Ill.—2400 W. Madison St.
 PHILADELPHIA, Pa.—135 S. 36th St.
 ST. JOSEPH, Mo.—509 S. 7th St.
CENTRAL Paper Co., Inc., 2404 Lake Shore Dr., Muskegon, Mich.

BRANCHES:
 BOSTON 10, Mass.—10 High St.
 BUFFALO 2, N. Y.—722 Genesee Bldg.
 CHICAGO 3, Ill.—176 W. Adams St.
 DETROIT 26, Mich.—824 Michigan Bldg.
 NEW YORK 17, N. Y.—420 Lexington Ave.
CENTURY Electric Co., 1806 Pine St., St. Louis 3, Mo.
 Sales offices in 30 principal cities; consult telephone book.

★CHAMPION Paper & Fibre Co., Hamilton, Ohio—Mills also at: Canton, N. C., and Houston, Tex.

BRANCH SALES OFFICES:
 ATLANTA 3, Ga.—1406 First Nat'l Bank Bldg.
 BOSTON 10, Mass.—201 Devonshire St.
 CHICAGO 2, Ill.—1437 Conway Bldg.
 CINCINNATI 2, Ohio—1406 Enquirer Bldg.
 CLEVELAND 13, Ohio—1511 Terminal Tower
 NEW YORK 17, N. Y.—230 Park Ave.
 PHILADELPHIA 6, Pa.—570 Drexel Bldg.
 ST. LOUIS 1, Mo.—1806 Arcade Bldg.
CHAPMAN Knives & Saws, Inc., 504 So. Broadway, St. Louis 2, Mo.

BRANCH:
 KANSAS CITY, Mo.—1519 Cherry St.
★CHEMCO Photoproducts Co., 230 W. 41st St., New York 18, N. Y.

BRANCH OFFICES:
 ATLANTA 3, Ga.—99 Cone St.
 CHICAGO 6, Ill.—27 S. Market St.
 NEW ORLEANS 12, La.—408 Camp St.
CHEMICAL Color & Supply Co., Div. of Sun Chemical Corp., 547 S. Clark, Chicago 5

BRANCH:
 ST. PAUL 4, Minn.—771 Raymond Ave.
CERRY RIVER Paper Co., West Jersey Trust Bldg., Camden, N. J.

BRANCH:
 CHICAGO 11, Ill.—919 N. Michigan Ave.
CHICAGO Steel & Wire Co., 10257 Torrence Ave., Chicago 17, Ill.

BRANCHES:
 NEW YORK 1, N. Y.—225 West 34th St.
 SAN FRANCISCO 3, Cal.—1043 Bryant St.
CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.
EXCLUSIVE AGENTS—U. S. AND CANADA
DEXTER Folder Co., Pearl River, N. Y.

CLINE Electric Mfg. Co., 400 W. Madison Street, Chicago 6, Ill.

BRANCHES:
 NEW YORK 17, N. Y.—220 E. 42nd St.
 SAN FRANCISCO 4, Cal.—410 Bush St.

★CONSOLIDATED Water Power & Paper Co., Wisconsin Rapids, Wis.

SALES OFFICE:
 CHICAGO 3, Ill.—135 S. LaSalle St.

★COTTRELL, C. B., & Sons Co., Westerly, Rhode Island

BRANCHES:
 NEW YORK 10, N. Y.—25 E. 26th St.
 CHICAGO 6, Ill.—400 W. Madison St.
 MILWAUKEE 1, Wis.—3713 N. Humboldt Ave.
 ENGLAND—Smyth-Horne Ltd., 13 Bedford Row, London, W. C. 1.

CRAFTINT Mfg. Co., 1615 Collamar Ave., Cleveland 10, Ohio

DISTRIBUTORS:
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 NEW YORK 7, N. Y.—123 Nassau St., Wm. Glantz
CRAFTSMAN Line-Up Table Corp., 49-59 River St., Waltham 54, Mass.

BRANCH:
 CHICAGO 5, Ill.—120 W. Polk St.
CRAMER, G., Dry Plate Co., 1835 Shenandoah Ave., St. Louis 4, Mo.

BRANCHES:
 CHICAGO 5, Ill.—608 S. Dearborn St.
 NEW YORK 3, N. Y.—9 East 19th St.
CROCKER, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.

BRANCHES:
 BOSTON 10, Mass.—89 Broad St.
 CHICAGO 2, Ill.—111 W. Washington St.
 NEW YORK 17, N. Y.—475 Fifth Ave.
CROCKER-McElwain Co., Holyoke, Mass.

BRANCHES:
 CHICAGO 6, Ill.—208 S. Jefferson St.
 NEW YORK 7, N. Y.—41 Park Row
CROCKER-Wheeler Elec. Mfg. Co., Ampere, N. J.

Offices in principal cities; consult telephone book
CRONITE Co., 35 Park Pl., New York 7

BRANCHES:
 LOS ANGELES, Cal.—407 E. Pico Blvd.
 PORTLAND, Ore.—720 S. W. Washington St.
CUMMINS Perforator, Div., 4740 Ravenswood Ave., Chicago 40, Ill.

BRANCHES:
 BOSTON 11, Mass.—99 Chauncy St.
 NEW YORK 7, N. Y.—261 Broadway
 PHILADELPHIA 40, Pa.—2010 W. Ontario St.

DAVIDSON Mfg. Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.

Sales offices in principal cities; consult telephone book.
DAYTON Rubber Mfg. Co., 2342 W. River-view Ave., Dayton, Ohio

BRANCHES:
 CHICAGO 4, Ill.—1009 W. Washington Blvd.
 NEW YORK 7, N. Y.—11 Park Place

★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.

BRANCHES:
 BOSTON, Mass.—38 Chauncy St.
 CHICAGO, Ill.—62 Randolph St.
 CLEVELAND, Ohio—629 Euclid Ave.
 DALLAS, Tex.—202 Southwestern Life Bldg.
 NEW YORK 1, N. Y.—220 Fifth Ave.
 PHILADELPHIA, Pa.—225 S. 15th St.
 SAN FRANCISCO, Cal.—1642 Russ Bldg.
 TORONTO, Ont., Canada—302 Bay St.

DEVERE Co., Racine, Wis.

BRANCH:
 CHICAGO 5, Ill.—608 S. Dearborn St.

★DEXTER Folder Co., Pearl River, N. Y.

BRANCHES:
 BOSTON, Mass.—185 Summer St.
 CHICAGO 3, Ill.—117 W. Harrison St.
 CLEVELAND 18, Ohio—2391 Fenwood Rd.
 NEW YORK 18, N. Y.—330 W. 42nd St.
 PHILADELPHIA, Pa.—Bourse Bldg.

DILL & Collins, Inc., 230 Park Ave., New York 17, N. Y.

BRANCHES:
 BOSTON 88, Mass.—80 Federal St.
 CHICAGO 2, Ill.—111 W. Washington St.
 DAYTON 2, Ohio—131 N. Ludlow St.
 PHILADELPHIA 6, Pa.—816 Ledger Bldg.

DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., NW, Washington 7

BRANCHES:
 CHICAGO 2, Ill.—1832 Conway Bldg.
 LOS ANGELES 13, Cal.—106 W. 3rd St.
 NEW YORK 7, N. Y.—41 Park Row

DITTO, Inc., 2243 W. Harrison St., Chicago 12, Ill.

BRANCHES:
 All principal cities

DOBECKMUN Co., Box 6417, Cleveland 1

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 BOSTON, Mass.—900 Statler Bldg.
 CHICAGO, Ill.—111 W. Washington Blvd.
 CINCINNATI, Ohio—1625 Carew Tower Bldg.
 LOS ANGELES, Cal.—117 W. 9th St.
 NEW YORK, N. Y.—500 Fifth Ave.
 PHILADELPHIA, Pa.—1528 Walnut St.
 SAN FRANCISCO, Cal.—465 California
du PONT, E. I., de Nemours and Co., Defender Division, Rochester 3, N. Y.

BRANCHES:
 BOSTON 11, Mass.—38 Chauncy St.
 CHICAGO 1, Ill.—225 N. Wabash Ave.
 LOS ANGELES 15, Cal.—1135 S. Flower St.
 NEW YORK 1, N. Y.—275 Seventh Ave.
 SEATTLE 22, Wash.—1111 E. Madison St.
DURANT Mfg. Co., 1929 N. Buffum St., Milwaukee 1, Wis.

BRANCHES:
 CHICAGO 4, Ill.—224 S. Michigan Blvd.
 PROVIDENCE 3, R. I.—155 Orange St.
EASTERN Corp., Bangor, Maine

BRANCHES:
 ATLANTA, Ga.—231 Healey Bldg.
 BOSTON, Mass.—10 High Street
 CHICAGO, Ill.—111 W. Washington St.
 DALLAS, Texas—2523 McKinley Ave.
 NEW YORK, N. Y.—500 Fifth Avenue
 PHILADELPHIA, Pa.—100 S. Broad St.

ECONOMY Baler Co., Ann Arbor, Mich.

BRANCHES:
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 BOSTON, Mass.—601 Atlantic Ave.
 CHICAGO, Ill.—616 S. Dearborn St.
 CINCINNATI, Ohio—209 Gerke Bldg.
 CLEVELAND, Ohio—Brie Bldg.
 DETROIT, Mich.—337 Curtis Bldg.
 NEW YORK, N. Y.—43 Water St.
 PHILADELPHIA, Pa.—Drexel Bldg.
ECONO Products, Inc., 132 Humboldt St., Rochester 10, N. Y.

EXCLUSIVE DISTRIBUTORS:
 PORTLAND 1, Ore.—Harold Noonan, 3000 S.W. Laurewood Ave.
 SAN FRANCISCO 11, Cal.—Don Stewart Co., 441 Clay St.

★ELECTRIC Boat Co., Printing Machinery Division, New York, N. Y.

BRANCHES:
 CHICAGO 6, Ill.—400 W. Madison St.
 SAN FRANCISCO 4, Cal.—Russ Bldg.
FAIRBANKS, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.

Offices in principal cities; consult telephone book.
★FALCO Corp., 47-01 35th St., Long Island City, New York

BRANCH:
 CHICAGO, Ill.—343 So. Dearborn Street
FASTENER Corp., 860 Fletcher Ave., Chicago 14, Ill.

BRANCHES:
 LOS ANGELES, Cal.—920 S. Atlantic Blvd.
 FEDERATED Metals: See American Smelting & Refining Co., Whiting, Ind.
FELTERS Co., 210 South St., Boston 11, Mass.

BRANCHES:
 NEW YORK 14, N. Y.—350 W. Fourth Street
 ST. LOUIS 3, Mo.—1602 Locust St.
 CLEVELAND 7, Ohio—14812-20 Detroit Ave.
FISKE Brothers Refining Co., Lubriplate Div., 129 Lockwood St., Newark 5, N. J.

BRANCH:
 TOLEDO 3, Ohio—P. O. Box 1526, Central Sta.
FITCHBURG Paper Co., 642 River St., Fitchburg, Mass.

BRANCHES:
 CHICAGO 3, Ill.—11 South LaSalle St.
 NEW YORK 17, N. Y.—250 Park Ave.
 FLINT, Mich.—Howard, Ink Co., 2546 Clark Ave., Detroit 9, Mich.

SALES OFFICES:
 ATLANTA 3, Ga.—95 Milton Ave., S. E.
 CHICAGO 16, Ill.—2001 Calumet Ave.
 CLEVELAND 15, Ohio—Broadway and E. 15th
 DENVER 5, Colo.—2807 Blake St.
 HOUSTON 14, Tex.—Lockwood Drive & T. & N. O. R. R.
 INDIANAPOLIS 2, Ind.—1000 E. Vermont St.
 LOS ANGELES 3, Cal.—6100 Avalon Blvd.
 NEW ORLEANS 19, La.—Jefferson Davis Pkwy. & I. C. R. R.

★FORCE, Wm. A. & Co., Inc., 216 Nichols Ave., Brooklyn 8, N. Y.

BRANCHES:
 CHICAGO 6, Ill.—9 S. Clinton St.
 MONTREAL 28, Que.—2165 Clifton Ave.
 NEW YORK 13, N. Y.—64 White St.
FOSTORIA Pressed Steel Corp., Fostoria, Ohio

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BRANCH:
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BRANCHES:
LOS ANGELES, Cal.—Murphy & Buist, 124 West 4th St.
NEW YORK, N. Y.—350 Madison Ave.
FRANKLIN Paper Co., Holyoke, Mass.

BRANCH:
NEW YORK, N. Y.—230 Park Ave.
FRASER, Ltd., 420 Lexington Ave., New York, N. Y.

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CHICAGO 2, Ill.—111 W. Washington Blvd.
★GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N. Y.

BRANCH:
CHICAGO 5, Ill.—215 S. Aberdeen St.
GANE Brothers & Lane Inc., 1335 W. Lake St., Chicago 7, Ill.

BRANCH OFFICES:
LOS ANGELES 15, Cal.—140 W. 17th St.
NEW YORK 13, N. Y.—333 Hudson St.
ST. LOUIS 3, Mo.—1515 Pine St.
SAN FRANCISCO 5, Cal.—184 Second St.
GENERAL Binding Corp., 812 W. Belmont Ave., Chicago 14, Ill.

Licenses in major cities of the U. S. A. and foreign countries.

GENERAL Electric Co., 1 River Road, Schenectady 5, N. Y.
Sales offices in 80 principal cities; consult telephone book.

★GENERAL Printing Ink div., Sun Chemical Corp., 10th St. & 44th Ave., Long Island City, N. Y.

GILMER, L. H., Co., Tacony, Philadelphia 35, Pa.

BRANCHES:
ATLANTA 3, Ga.—95 Pine St., N.E.
CHICAGO 11, Ill.—341 E. Ohio St.
HOUSTON 2, Tex.—1015 N. San Jacinto St.
NEWARK 5, N. J.—115 Edison Pl.
NEW YORK 7, N. Y.—50 Church St.
SAN FRANCISCO 7, Cal.—510 Bryant St.
SEATTLE, Wash.—307 Maritime Bldg.

GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.

BRANCHES:
BATTLE CREEK, Mich.
NEW YORK 17, N. Y.—220 E. 42nd St.
SAN FRANCISCO 5, Cal.—116 New Montgomery St.

ENGLAND, Preston—Greenbank St.
ENGLAND, London EC4—154 Fleet St.

GUMMED Products Co., S. Union St., Troy, Ohio

BRANCHES:
CHICAGO 2, Ill.—111 West Washington St.
CINCINNATI 2, Ohio—1740 Union Central Bldg.
CLEVELAND 20, Ohio—2842 Fontenay Rd.
COLUMBUS 15, Ohio—45 South 9th St.
MANOA, Philadelphia, Pa.—1020 Garfield Ave.
NEW YORK 7, N. Y.—41 Park Row
ST. LOUIS, Mo.—Paul Brown Bldg.

HALL, Thomas W., Co., Inc., Sunnyside Ave., Stamford, Conn.

SALES OFFICE:
NEW YORK 18, N. Y.—120 West 42nd St.
HALOID Co., 6 Haloid St., Rochester 3, N. Y.

HAMILTON, W. C., & Sons, Miquon, Montgomery County, Pa.

BRANCHES:
CHICAGO 3, Ill.—176 W. Adams St.
NEW YORK 7, N. Y.—261 Broadway
SAN FRANCISCO 11, Cal.—320 Market St.

★HAMMERMILL Paper Co., Erie, Pa.

BRANCH SALES OFFICES:
NEW YORK 17, N. Y.—50 E. 42nd St.
SAN FRANCISCO 4, Cal.—311 California St.
HART, Wm. C., Co., Inc., 137 Greene St., New York 12, N. Y.

BRANCH:
ROCHESTER 8, N. Y.—259 Exchange St.

★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio

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ATLANTA 3, Ga. (B)—220 Luckie St., N.W.
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NEW YORK 1, N. Y. (D)—426 W. 33rd St.
CANADA, Montreal (B)—437 Craig St.
CANADA, Toronto (B)—445 King St. W.
CANADA, Vancouver (B)—555 Homer St.
ENGLAND, Chippingstead, Surrey (D)—Smyth-Horne
SOUTH AMERICA & WEST INDIES (D)—National Paper & Type Co., 120 Wall St., New York 5, N. Y.

HARTFORD Textile Co., 1441 Broadway, New York 18, N. Y.

BRANCHES:
CHICAGO 6, Ill.—323 S. Franklin St.
LOS ANGELES, Cal.—120 E. Eighth St.
SAN FRANCISCO, Cal.—833 Market St.

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. Y.

BRANCHES:
BOSTON, Mass.—244 Trachington St.
CHICAGO, Ill.—1 N. Canal St.
SAN FRANCISCO, Cal.—1301 Monterey Blvd.

★HOWARD Paper Co., Urbana, Ohio

BRANCH SALES OFFICES:
CHICAGO 3, Ill.—10 S. La Salle St.
NEW YORK 1, N. Y.—350 Fifth Ave.

HUBER, J. M., Inc., 460 West 34th St., New York 1, N. Y.

BRANCHES:
BOSTON 10, Mass.—80 Federal St.
CHICAGO 7, Ill.—1230 W. Jackson Blvd.
ST. LOUIS 18, Mo.—2917 S. Second St.

HUNT, Philip A., Co., 250 Russell St., Brooklyn 22, N. Y.

BRANCHES:
CAMBRIDGE 42, Mass.—111 Binney St.
CHICAGO 47, Ill.—2108 W. Fullerton Ave.
CLEVELAND 14, Ohio—2432 Lakeside Ave.
LOS ANGELES 13, Calif.—541 Ceres Ave.

IDEAL Commutator Dresser Co., 5065 Park Ave., Sycamore, Ill.

BRANCHES:
CHICAGO 6, Ill.—600 W. Jackson Blvd.
DETROIT 2, Mich.—6432 Cass Ave.
NEW YORK 3, N. Y.—61 E. 11th St.
PITTSBURGH 22, Pa.—107 Sixth St.

IDEAL Roller & Mfg. Co., 2512 West 24th St., Chicago 8, Ill.

BRANCHES:
CINCINNATI 2, Ohio—800 Broadway
LONG ISLAND CITY 1, N. Y.—21-24 39th Ave.
MILWAUKEE 2, Wis.—104 E. Madison St.
PHILADELPHIA 6, Pa.—232 W. Washington St.
SAN FRANCISCO 2, Cal.—821 Market St.

ILG Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.

Sales offices in principal cities; consult telephone book.

ILLINOIS Zinc Co., 2959 W. 47th St., Chicago 32, Ill.

BRANCH:
NEW YORK 20, N. Y.—630 Fifth Ave.

IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.

BRANCH:
PHILADELPHIA 34, Pa.—3400 Aramingo Ave.

★INTERNATIONAL Printing Ink, Div. Interchemical Corp., 350 Fifth Ave., New York 1, N. Y.

Branches in 29 principal cities in the United States.

★INTERTYPE Corporation, 360 Furman St., Brooklyn 2, N. Y.

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CHICAGO 6, Ill.—130 N. Franklin St.
LOS ANGELES 15, Cal.—1220 South Maple Ave.
NEW ORLEANS 10, La.—1007 Camp St.
SAN FRANCISCO 11, Cal.—500 Sansome St.

JOHNSON, Charles Eneu, & Co., 10th & Lombard Sts., Philadelphia 47, Pa.

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BALTIMORE 18, Md.—2103 North Charles St.
BOSTON 11, Mass.—16 Lincoln St.
CHICAGO 14, Ill.—1130 Wisconsin St.
CLEVELAND 14, Ohio—Superior at 21st St.
DALLAS 1, Tex.—1727 N. St. Paul St.
DETROIT 26, Mich.—525 Howard St.
KANSAS CITY 8, Mo.—2613-2615 S. W. Blvd.
NEW YORK 7, N. Y.—410-412 Pearl St.
PITTSBURGH 26, Pa.—1515-1517 W. Liberty Ave.
ST. LOUIS 2, Mo.—321 N. 3rd St.

JOHNSTON Tin Foil & Metal Co., 6106 S. Broadway, St. Louis, Mo.

BRANCHES:
CHICAGO, Ill.—608 S. Dearborn St.
JERSEY CITY, N. J.—34 Exchange Place

KEMP, C. M., Mfg. Co., 405 E. Oliver St., Baltimore 2, Md.

Sales offices in principal cities; consult telephone book.

★KIMBERLY-Clark Corporation, Neenah, Wis.

BRANCH SALES OFFICE:
ATLANTA 3, Ga.—22 Marietta St., N. W.
CHICAGO 3, Ill.—8 S. Michigan Ave.
NEW YORK 17, N. Y.—122 E. 42nd St.
SAN FRANCISCO 4, Cal.—155 Sansome St.

★LAKE Erie Engineering Corp., Riverview & Woodward Ave., Buffalo 17, N. Y.

BRANCHES:
CHICAGO 1, Ill.—230 N. Michigan Ave.
NEW YORK 17, N. Y.—215 Park Ave.

LA MONTE, George & Son, Nutley 10, N. J.

BRANCHES:
NEW YORK, N. Y.
CHICAGO, Ill.
CLEVELAND, Ohio
ATLANTA, Ga.
ST. LOUIS, Mo.
SAN FRANCISCO, Cal.
ZURICH, Switzerland

★LANSTON Monotype Machine Co., 24th & Locust Sts., Philadelphia 3, Pa.

BRANCHES:
ATLANTA 3, Ga.—116 Spring St., N.W.
BOSTON 9, Mass.—170 Summer St.
CHICAGO 6, Ill.—216 W. Jackson Blvd.
NEW YORK 17, N. Y.—441 Lexington Ave.
SAN FRANCISCO 5, Cal.—55 New Montgomery St.
CANADA, Toronto 1, Ont.—34 Adelaide St., West

★LAWSON, E. P., Co., 426 W. 33rd St., New York 1, N. Y.

BRANCHES:
BOSTON, Mass.—170 Summer St.
PHILADELPHIA 6, Pa.—Bourse Bldg.
CHICAGO, Ill.—628 S. Dearborn St.

LE PAGE'S Inc., Essex Ave., Gloucester, Mass.

OFFICES & WAREHOUSES:
CHICAGO 8, Ill.—1500 S. Western Ave.
NEW YORK 12, N. Y.—108 Spring St.
SAN FRANCISCO 3, Cal.—489 6th St.

LINK Belt Co., 307 N. Michigan Ave., Chicago 1, Ill.

Sales offices in principal cities; consult telephone book.

★LINOTYPE Parts Co., Main & Hudsonale Sts., Weatherly, Pa.

BRANCHES:
CHICAGO 6, Ill.—318 W. Randolph St.
KANSAS CITY 6, Mo.—1327 Broadway
MINNEAPOLIS 15, Minn.—503 Fourth Ave. S.

LITHOMAT Corp., 58 Charles St., Cambridge, Mass.

SALES OFFICE:
NEW YORK 17, N. Y.—41 E. 42nd St.

★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.

SALES OFFICES:
ATLANTA 3, Ga.—120 Marietta St.
BOSTON 10, Mass.—470 Atlantic Ave.
NEW YORK 7, N. Y.—63 Park Row
SAN FRANCISCO 3, Cal.—5 Third St.

MATRIX Contrast Corp., Empire State Bldg., New York 1, N. Y.

BRANCHES:
BOSTON 8, Mass.—44 Bromfield St.
CHICAGO 6, Ill.—326 W. Madison St.
LOS ANGELES 15, Cal.—1105 Trenton St.
NEW YORK 18, N. Y.—29 W. 36th St.
ST. LOUIS, Mo.—1420 Delmar Blvd.

MEAD Sales Co., Inc., 118 W. First St., Dayton, Ohio

BRANCHES:
BOSTON 10, Mass.—80 Federal St.
CHICAGO 6, Ill.—20 N. Wacker Drive
NEW YORK 17, N. Y.—230 Park Ave.
PHILADELPHIA 6, Pa.—816 Ledger Bldg.

MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10, Ill.

BRANCHES:
DETROIT 26, Mich.—243 Congress St.
LOS ANGELES 14, Cal.—124 W. 6th St.
NEW YORK 7, N. Y.—39 Cortlandt St.
SAN FRANCISCO 5, Cal.—593 Market St.

MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.

BRANCHES:
CHICAGO, Ill.—538 S. Clark St.
NEW YORK, N. Y.—22 E. 29th St.

★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N. Y.

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BOSTON, Mass.—10 State St.
CHICAGO 5, Ill.—531 Plymouth Court
LOS ANGELES 15, Cal.—1515 Georgia St.
NEW ORLEANS 9, La.—549 Baronne St.
NEW YORK 18, N. Y.—500 Fifth Ave.
SAN FRANCISCO 11, Cal.—638 Sacramento St.
CANADA, Toronto 2, Ont.—Canadian Linotype, Ltd., 119 Adelaide St., W.

MID-STATES Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.

BRANCHES:
CLEVELAND 15, Ohio—603 Hanna Bldg.
LOS ANGELES 23, Cal.—631 S. Anderson St.
NEW YORK 7, N. Y.—9 Park Place
ST. LOUIS 1, Mo.—4 N. 8th St.

★**MIEHLE Printing Press & Mfg. Co., 14th & S. Damen Ave., Chicago 8, Ill.**

BRANCHES:

BOSTON 10, Mass.—140 Federal St.
LOS ANGELES 15, Cal.—1222 Maple Ave.
NEW YORK 18, N. Y.—330 W. 42nd St.
PHILADELPHIA 7, Pa.—1013 Chestnut St.
SAN FRANCISCO 5, Cal.—582 Howard St.

MILLER CO., 99 Center, Meriden, Conn.

BRANCH:

NEW YORK 10, N. Y.—315 Fourth Ave.

MILLER Paper Co., 80 Wooster St., New York, N. Y.

BRANCH:

BOSTON, Mass.—100 Boylston St., 817 Colonial Bldg.

★**MILLER Printing Machinery Co., 1117 Reedsdale St., Pittsburgh 12, Pa.**

BRANCHES:

ATLANTA, Ga.—Agent S. E. Piers Supply Co.—267 Trinity Ave.
BOSTON 88, Mass.—80 Federal St.
CHICAGO 6, Ill.—Daily News Bldg.
NEW YORK, N. Y.—330 W. 42nd St.
PHILADELPHIA 7, Pa.—Phila. Saving Fund
SAN FRANCISCO 3, Cal.—Russ Bldg.

MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N. Y.

BRANCHES:

NEW YORK 7, N. Y.—261 Broadway
PHILADELPHIA, Pa.—1522 Lincoln-Liberty Bldg.

NASHUA Gummed & Coated Paper Co., Nashua, N. H.

BRANCHES:

BALTIMORE, Md.—820 Munsey Bldg.
CHICAGO, Ill.—Rm. 614 McGraw Hill Bldg., 520 N. Michigan Ave.
DETROIT, Mich.—2203 Nat'l Bank Bldg.
LOS ANGELES, Cal.—117 W. 9th St.
NEW YORK, N. Y.—53 Park Pl.
PHILADELPHIA, Pa.—35rd & Arch St.
PITTSBURGH, Pa.—Grant Bldg.
SAN FRANCISCO, Cal.—525 Market St.

NATIONAL Blank Book Co., Holyoke, Mass.

BRANCHES:

BOSTON, Mass.—127 Federal St.
CHICAGO, Ill.—209 S. Jefferson St.
NEW YORK, N. Y.—100 Sixth Ave.
SAN FRANCISCO, Cal.—247 Rialto Bldg.

OFFEN, B., & Co., 343 S. Dearborn St., Chicago 4, Ill.

BRANCH:

NEW YORK 17, N. Y.—18 E. 41st St.

OHIO Knife Co., B. & O. R.R. & Dreman Ave., Cincinnati 23, Ohio

BRANCHES:

CHICAGO 5, Ill.—600 S. Michigan Ave.
DETROIT 26, Mich.—1608 Kales Bldg.
LOS ANGELES 21, Cal.—1400 Santa Fe Ave.
NEW YORK 10, N. Y.—23 E. 26th St.
OAKLAND 12, Cal.—2077 Franklin St.
PORTLAND 4, Ore.—217 S. W. First St.

★**OXFORD Paper Co., 230 Park Ave., New York 17, N. Y.**

BRANCH:

CHICAGO 1, Ill.—Oxford Miami Paper Co., 35 E. Wacker Dr.

OXY-DRY Sprayer Corp., 320 S. Marshfield Ave., Chicago

★**PAASCHE Airbrush Co., 1909 Diverser Ave., Chicago 14, Ill.**

BRANCHES:

DETROIT, Mich.—5505 Second Blvd.
HUNTINGTON PARK, Cal.—7222 S. Santa Fe Ave.

PAISLEY Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.

BRANCHES:

BOSTON, Mass.—79 Milk St.
BUFFALO 15, N. Y.—423 Eggert Rd.
CAMBRIDGE, Mass.—7 Longfellow Rd.
CLEVELAND 3, Ohio—7016 Euclid Ave.
DALLAS 1, Tex.—1410 Main St.
INDIANAPOLIS, Ind.—3932 Central Ave.
MINNEAPOLIS 1, Minn.—718 Washington Ave. No.
NEW ORLEANS 12, La.—210 Balter Bldg.
NEW YORK 19, N. Y.—630 W. 51st St.
PHILADELPHIA 23, Pa.—15th & Market St.
PITTSBURGH 21, Pa.—112 S. Trenton Ave.
ST. LOUIS 9, Mo.—5936 Loughborough

PAPER Manufacturers Co., Fifth & Willow Sts., Philadelphia 4, Pa.

BRANCHES:

CHICAGO, Ill.—4614 N. Paulina St.
LOS ANGELES, Cal.—843 S. Los Angeles St.

PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.

BRANCH:

PITTSBURGH, Pa.—204 Fifth Ave.

PITNEY-Bowes Inc., 757 Pacific St., Stamford, Conn.

Branch offices in principal cities, consult telephone Directory.

★**PRINTING Machinery Co., 436 Commercial Square, Cincinnati 2, Ohio**

SALES OFFICE:

NEW YORK 10, N. Y.—23 E. 26th St.

RELiance Electric & Eng. Co., 1076 Ivanhoe Road, Cleveland 10, Ohio

BRANCHES:

ALBUQUERQUE, N. Y.—112 W. Granite St.
APPLETON, Wis.—200 E. College Ave.
ATLANTA 3, Ga.—333 Candler Building
BIRMINGHAM 3, Ala.—339 Brown Marx Bldg.
BOSTON 16, Mass.—285 Columbus Avenue
BUFFALO 3, New York—445 Ellicott Square Bldg.
CHARLESTON 1, W. Va.—1206 Kanawha Blvd., E.
CHARLOTTE, N. C.—Liberty Life Bldg.
CHICAGO, Ill.—154 E. Erie St.
CINCINNATI 2, Ohio—3804 Carew Tower
CLEVELAND 10, Ohio—1200 Ivanhoe Road
DALLAS 6, Texas—5542 Dyer Street
DENVER, Colo.—4949 Colorado Blvd.
DETROIT 2, Mich.—3105 E. Grand Blvd.
EL DORADO, Ark.—208 N. Washington Ave.
EL PASO, Texas—718 N. Stanton St.
GARY, Ind.—504 Broadway
GRAND RAPIDS, Mich.—518 Murray Bldg.
HOUSTON, Texas—1312 Sterling Bldg.
KANSAS CITY 8, Mo.—1923 Main Street
KNOXVILLE 9, Tenn.—Box 1452
LOS ANGELES 15, Calif.—714 W. Olympic St.
MILWAUKEE, Wis.—1012 N. 3rd Street
MINNEAPOLIS 2, Minn.—1216 Fosbury Tower
NEW ORLEANS 12, La.—2207 American Bank Bldg.
NEW YORK 17, N. Y.—420 Lexington Ave.
NEWARK, N. J.—1600 Broad St.
OMAHA 2, Neb.—204 Barker Bldg.
PHILADELPHIA, Pa.—19 E. Lancaster Ave., Ardmore, Pa.
PHOENIX, Ariz.—1600 W. Jefferson
PITTSBURGH, Pa.—1408 Park Bldg.
PORTLAND, Oregon—411 Weatherly Bldg.
ROANOKE, Va.—1604 Williamson Rd.
ROCHESTER, N. Y.—42 East Ave.
ROCKFORD, Ill.—1118 Rockford Trust Bldg.
SALT LAKE CITY 4, Utah—550 W. 7th South St.
SAN FRANCISCO 11, Calif.—420 Market St.
SEATTLE, Wash.—422 Smith Tower
ST. LOUIS 8, Mo.—5579 Pershing Ave.
SYRACUSE 2, N. Y.—305 Larned Bldg.
TAMPA 1, Fla.—Box 445
WASHINGTON 5, D. C.—14th & G Street N. W.
MONTREAL, Que.—P. O. Box 261, Westmount
MEXICO CITY, Mex.—Av. 16 de Septiembre No. 10
SAO PAULO, Brazil—Caixa Postal 6064

ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.

BRANCHES:

AKRON 8, Ohio—31 W. Market St.
BALTIMORE 2, Md.—146 N. Gay St.
BOSTON 11, Mass.—99 Bedford St.
CHICAGO 5, Ill.—608 S. Dearborn St.
COLUMBUS 3, Ohio—2307 Linden Ave.
DETROIT 26, Mich.—308 Marquette Bldg.
DENVER 2, Colorado—1530 Lake Street
LOS ANGELES 15, Cal.—317 E. 12th St.
LOUISVILLE 2, Ky.—116 S. 6th St.
MINNEAPOLIS, Minn.—705 Third Ave. S.
NASHVILLE 3, Tenn.—115 Fourth Ave., N.
NEW YORK, N. Y.—17 Rose St.
OMAHA 8, Neb.—412 S. 12th St.
PITTSBURGH 22, Pa.—108 Smithfield St.
ROCHESTER 3, N. Y.—88 Rutledge Drive
ST. LOUIS 6, Mo.—20 Clinton Street
SYRACUSE, N. Y.—317 State Tower Bldg.
TULSA 3, Okla.—320 E. 4th St.
WASHINGTON 5, D. C.—914 12th St., N.W.
WICHITA, Kan.—140 N. Mosley St.

ROBERTS & Porter, Inc., 402 S. Market St., Chicago 7, Ill.

BRANCH:

NEW YORK 13, N. Y.—100 Lafayette St.

ROBERTSON, R. R., 3069 N. Elston Ave., Chicago, Ill.

BRANCHES:

NEW YORK, N. Y.—100 W. 42nd St.

★**SCOTT, Walter, & Co., Plainfield, N. J.**

BRANCHES:

CHICAGO 4, Ill.—53 W. Jackson Blvd.
NEW YORK 18, N. Y.—230 W. 41st St.

SHULMAN, Ben, Inc., 137 Gould St., Rochester, N. Y.

BRANCH:

NEW YORK, N. Y.—500 Fifth Ave.

SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N. Y.

BRANCHES:

ALBANY 6, N. Y.—49 Sheridan Ave.
BALTIMORE 2, Md.—501-509 E. Preston St.
BIRMINGHAM 5, Ala.—722 S. 18th St.
BOSTON 10, Mass.—70 Atlantic Ave.
CHARLOTTE 2, N. C.—528 Turner Ave.
CHICAGO 32, Ill.—4101 S. Crawford Ave.
CLEVELAND 14, Ohio—2202 Superior Ave.
DALLAS 1, Tex.—1910 Akard St.
DAYTON 2, Ohio—43 W. Apple St.

DENVER 2, Colorado—1937 Curtis Street
DETROIT 26, Mich.—106 E. Atwater St.
FRANKLIN, Va.—East Et.
GREENSBORO, N. C.—5300 E. Market St.
HOUSTON 2, Texas—520 Preston Avenue
KALAMAZOO 29, Mich.—422 Reed St.
KANSAS CITY 6, Mo.—307 W. 8th St.
LOS ANGELES 12, Cal.—810 E. 61st St.
MEDFORD, Mass.—200 Boston Ave.
MONROE, La.—3306 Jackson St.
NASHVILLE 4, Tenn.—1301 Laurel St.
NEW HAVEN 11, Conn.—293 E. East St.
NEW ORLEANS 13, La.—843 Magazine St.
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PHILADELPHIA, Pa.—18th & Cambria Sts.
PITTSBURGH, Pa.—916 Forbes Ave.
PORTLAND 9, Ore.—317 N.W. Broadway
RIDGEFIELD Park, N. J.—R. R. Ave.
RITTMAN, Ohio—Industrial St.
SAN FRANCISCO 5, Cal.—237 First St.
SAVANNAH, Ga.—P. O. Box 1862
SEATTLE, Wash.—15577 Ninth Ave., N. E.
HAMILTON, Can.—49 McNab St.
MONTREAL, Can.—1030 Bleury St.
TORONTO, Can.—233 Richmond St. W.
WINNIPEG, Can.—173 McDermott Ave.
MEXICO, D. F.—Norte 56 Y Poniente 13

SLEIGHT Metallic Ink Co., of Illinois, 900 S. Clinton St., Chicago 7, Ill.

BRANCHES:

CLEVELAND, Ohio—800 Caxton Bldg.
KANSAS CITY, Mo.—722 Wyandotte St.
LOS ANGELES, Cal.—913 S. Olive St.
MILWAUKEE, Wis.—1929 W. Ciybourn Ave.
NEW YORK 13, N. Y.—480 Canal St.
PHILADELPHIA, Pa.—S. W. Cor. 3rd & Green Sts.
WASHINGTON, D. C.—140 Que St., N. E.

★**STANLEY Leverlock, Walter Y. Stanley, Hastings, Michigan**

★**STRATHMORE Paper Co., W. Springfield, Mass.**

BRANCH:

NEW YORK, N. Y.—25 W. 43rd St.

★**TELETYPESETTER Corp., 1400 Wrightwood Ave., Chicago 14, Ill.**

BRANCH:

NEW YORK, N. Y.—7 Dey St.

THOMSON-National Press Co., Inc., Dean Ave., Franklin, Mass.

BRANCHES:

CHICAGO, Ill.—1624 S. Clinton St.
NEW YORK, N. Y.—23 E. 26th St.

TRIANGLE Ink & Color Co., Inc., 305 E. 45th St., New York 17, N. Y.

BRANCH:

ST. LOUIS 2, Mo.—816 Walnut St.

TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio

BRANCHES:

CHICAGO 5, Ill.—732 Sherman St.
DETROIT 26, Mich.—500 W. Congress

★**UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N. Y.**

PLANTS:

BALTIMORE 26, Md.—4101 Curtis Ave.
BROOKLYN 22, N. Y.—200 Diamond St.
CHICAGO 10, Ill.—2246 W. Hubbard St.
SAN FRANCISCO 7, Cal.—785 Bryant St.

★**UNIVERSAL Mono-Tabular Corp., 418 N. St. Paul St., Dallas 1, Texas**

EXCLUSIVE DISTRIBUTOR:

HOLLYWOOD, Cal.—Chas. H. Rodieck, Box 1364

★**VANDERCOOK & Sons, 900 N. Kilpatrick Ave., Chicago 51, Ill.**

BRANCHES:

CHICAGO, Ill.—630 S. Dearborn St.
NEW YORK, N. Y.—216 E. 45th St.

WALTON Laboratories, 1186 Grove St., Irvington, N. J.

BRANCHES:

CHICAGO, Ill.—1326 S. Michigan

WEST Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N. Y.

BRANCH SALES OFFICES:

CHICAGO 1, Ill.—35 E. Wacker Drive
PHILADELPHIA 6, Pa.—Public Ledger Bldg.
SAN FRANCISCO 5, Cal.—503 Market St.

WHEELWRIGHT Papers, Inc., 230 Park Ave., New York 17, N. Y.

BRANCHES:

BOSTON 10, Mass.—80 Federal St.
CHICAGO 2, Ill.—111 W. Washington St.
DAYTON 2, Ohio—131 N. Ludlow St.
PHILADELPHIA 6, Pa.—816 Ledger Bldg.
WHITING Paper Company, Holyoke, Mass.

BRANCHES:

BOSTON 76, Mass.—10 High St.
CHICAGO 6, Ill.—111 N. Canal St.
NEW YORK 11, N. Y.—154 W. 14th St.
PHILADELPHIA 6, Pa.—619 Chestnut St.



Here are printers' helps . .
available to you at no cost

1. "Care and Feeding of Perforators," a valuable booklet on maintenance, is available to printers and bookbinders, and other machinery prospects of F. P. Rosback Company.

2. Main points on care and operation of the Kluge Automatic Press and Feeder are covered in "Operation and Maintenance" instruction book offered by Brandtjen and Kluge.

3. Two booklets of Old Colony Envelope Company: one describing and picturing the making of Old Colony envelopes; the other an envelope die manual, with die sizes and styles.

4. The IPI color picker for packages, and the IPI color guide for boxboard are two useful devices from International Printing Ink—along with information on specialty inks.

5. A complete story on methods and value of metered mail is told in a Pitney-Bowes booklet. Of specific interest to printers is a folder on P-B's office folding machine "FM."

6. American Type Founders Klingrose Graving Division features a folder on rotogravure presses and also two small booklets on "Cylinder Calculator" and "Hourly Production Tables."

7. A handsome 8-page circular is "New Intaglio Lithographic Plates Directly from the Negatives," which describes the electron intaglio method of J. H. & G. B. Siebold, Inc.

8. Free copies of "The Notebook of A Printer," printer house magazine, are offered by Oren Arbogust, Incorporated. The notebook can be obtained exclusively in your sales area.

9. The American Roller Company has a folder illustrating and describing the firm's composition and rubber rollers, pastes, padding glues, coating, and roller dressing.

10. "Brackett Joggers" is the title of a folder on equipment available from Brackett Stripping Machine Company. The 48 by 48 with power lift illustrates the machine's large sheet jogging.

11. New Nygren-Dahly Company folder features N-D rotary perforators which also crimp, slot, slit, score, and operate with dead-on accuracy. Other N-D units are also described.

12. Produced by Hammermill Paper Company is "The Working Kit" of Hammermill Bond letterhead designs, business forms, printing layout sheets, paper information, and other data.

13. Need fast, accurate, and automatic mailing? Cheshire Mailing Machine folder on the new Cheshire Model C mailing machine describes specifications as well as floor plan and performance.

14. "Why the self-quadder, auto-ejector set, thermo-blo, six-mold disk, quick opening knife block, and Mohr line-saw are work-savers for your Linotypes" is told in Mergenthaler Linotype folder.

15. The Strathmore Paper Company's new portfolio on "Strathmore Expressive Texts and Covers" contains specimens in arresting colors and textures with information on back.

16. Bulletin 311 on "How to increase production and lower costs with Reliance V-S Drive" is available from the Reliance Electric and Engineering Company. Bulletin fully illustrated.

17. E. P. Lawson Company offers a full-color folder on its 46- and 52-inch hydraulic clamp automatic cutters. Quickly reset overload safety device and other improvements shown.

18. "Betsy," the automatic collator which handles 8,000 pick-ups per hour, using stock which varies from 5-lb. carbon to 15-lb. board, is described in a new folder by J. Curry Mendes Corp.

19. Miller Printing Machinery Company offers two detailed booklets which illustrate 21 by 28 SW Single-Color and the new 19 by 25 SG Automatic Cylinder Letterpress.

20. There are "24 Ideas to Help You Sell More Printing" by using the printed cut-outs offered in Accurate Steel Rule Die Manufacturers booklet. Die-cutter's manual also offered.

21. Three-in-one specialty press Model FM Multipress with Model K Continuous Feed and Extension Delivery is described in new folder offered by B. Verner & Company to the trade.

22. New Junior Jets, 14 by 20 and 17 by 22 five-fold Baumfolders, are described in lithographed folder of Russell Ernest Baum for printers desiring information about them.

THE INLAND PRINTER, 309 West Jackson Boulevard, Chicago 6, Illinois

Gentlemen: Please send me, without cost or obligation, the material described under the key numbers circled: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58

My name _____ Title or position _____

Company _____

Street _____ City _____ State _____

Number of presses: Platen _____ Cylinder _____ Rotary _____ Offset _____

OUR COMPANY DOES: ☐ Commercial Ptg. ☐ Newspaper publishing—☐ Daily ☐ Wkly. ☐ Circ.

☐ Lithography ☐ Gravure ☐ Our own composition ☐ Trade composition ☐ Photoengraving

☐ Electro and stereo ☐ Engraving ☐ Bookbinding ☐ Stationery—Office supply

Offer Expires July 1, 1951

23. A 4-page booklet tells the story of Taylor Machine Company's sturdy new Registerscope—and modern, precision methods for faster makeup as well as register of flat bed forms.
24. "Printing That Looks Like Dollars" is the title of a portfolio of commercial printing on Hammermill Safety papers. The paper is uniform in safety features, color, and printing surface.
25. How to cut mailing room bottlenecks with a machine which flat wraps, fold wraps, or bands magazines is told in new Collmar Corporation literature of special interest to publication printers.
26. Southworth Automatic Skid-Lift, an electric-eye controlled unit for making work at the paper-cutting machine fast and easy is described in a folder from Southworth Machine Company.
27. The "New Revised Price List and Specimen Review Number 8," also "Hand-I-Fonts" are two catalogs now offered by Los Angeles Type and Rule Company for printers, typographers.
28. Universal Mono-Tabular Corporation presents three descriptive folders on the Honig Rule Cutter, Universal Mono-Tabular Broach, and Universal Strip Caster. Folders have specifications.
29. "Vandercook Pre-Press Equipment," a new 24-page illustrated booklet describing Vandercook and Sons proof presses and other equipment is given. Detailed price list is also available.
30. Cline-Westinghouse Universal AC, pre-set speed press controllers—a new line with unusual features—are described in a folder from Cline Electric Manufacturing Company.
31. How to get more numbering profits is illustrated on skip wheel charts and in folders on hand and typographic numbering machines made by William A. Force and Company.
32. A handsome 12-page booklet on "Humidification for the Graphic Arts and Paper Craftsmen" is offered by Walton Laboratories. Book shows benefits of air conditioning.
33. The Lawson "38" Paper Cutter is presented in new folder of E. P. Lawson Company. The safety features and detailed specifications are among the folder's highlights.
34. Acme Steel Company offers an 8-page booklet on book stitching. It contains photos, descriptions, and specifications for Acme-Champion and Acme-Morrison Book Stitchers.
35. Portfolio of samples—printed and imprinted—of warehous, new mirror-finish coated paper, is offered by McLaurin Jones Co. Included are instructions for getting best printing results.
36. How you can find "Lower Costs and Better Printing" with Ti-Pl Company's rubber and plastic plates is the subject of a 16-page folder showing ease in making color plates.
37. Here are your Spherekote samples of new glass-beaded tympan covers, available in a descriptive portfolio which is offered by the Minnesota Mining and Manufacturing Company.
38. Wild and Stevens has its "Roller Handbook" containing directions for use and care of printers' rollers prepared for the trade by the firm's own technical laboratory.
39. Notable "West Virginia Inspirations" series for printers illustrates how good printing from good papers grows. Available from the West Virginia Pulp and Paper Company.
40. A comprehensive folder on newly designed photoengravers' and lithographers' plate whirlers with forced filtered dry warm air for quick even drying is offered by Douthitt Corp.
41. Lawter Chemicals, Incorporated, in its new Technical Bulletin Number 601, covers bronzing with DAY-GLO daylight fluorescent powders, the much-publicized printing development.
42. Linotape Products Company offers a folder explaining the DBI-STAIN way or process for producing high-contrast easy-to-read letters on your composing machine mats.
43. Kleen-Stik Products, Inc., offers samples of pressure-sensitive labels and other adhesive items along with ideas to help you create new profitable printing in your shop.
44. "Ten Strike in small press design" is caption of folder on New ATF Little Giant Model 6, which describes and illustrates the features of versatile small printing press.
45. Operators of web presses will want facts on the Cooksey System of web control, an automatic apparatus for minimizing web-break troubles. Collmar Corp. offers a descriptive folder.
46. P and D folder of J. A. Richards Company lists full printing and die making line of equipment and shows all models of saws, routers, and combination and specialty machines.
47. The American Numbering Machine Company offers a red folder on Typographic Numbering Machines and a blue folder on its Hand Numbering Machines. Folders are illustrated.
48. "Take the guesswork out of presswork" states the new folder about the 33, 0-33, and 600 ink conditioners and also Glaxcote manufactured by the Central Compounding Company.
49. A Paper Manufacturers Company announcement about Heat-Sealing Papers and samples of gummed and coated Perfection Brand papers are available as aids for printers.
50. Cobb Shinn offers a new 62-page "Catalog" of stock cuts available for general job printing use. Cartoon material is featured in this 9-by-12-inch, plastic-bound book.
51. Bulletin NP 8-50 from the Paasche Airbrush Company tells How to Stop Ink Offset. It explains and shows equipment for both fluid and powder processes—and combination models.
52. "Aniline Printing and the Champlain Heavy-Duty Aniline-Anilox Printing Press" booklet is now available through the Champlain Company, Incorporated. Booklet is illustrated.
53. Gilbert Paper Company has a new sample portfolio containing sheets and also envelopes representing firm's cotton-content writing papers. Gilbert paper merchants are listed.
54. Dennison Manufacturing Company has revised and expanded helpful "Fact Finder Chart" for the Dennison Gummed Papers. The chart also incorporates heat-seal information.
55. Ansco Graphic Arts Division has a new F77 folder which contains a short description of its over-all graphic products and chemicals as well as the applications for same.
56. George W. Prentiss and Company offers its Prentiss Stitching Wire Calculator. The calculator shows how to determine the number of stitches per pound on various sizes of wire.
57. How and why "Your Type Metal Money Buys Operating Equipment—not just a 'supply'" is told in illustrated folder offered by the Blatchford Division of National Lead.

AFFIX
STAMP
HERE

THE INLAND PRINTER

309 West Jackson Boulevard
Chicago 6, Illinois

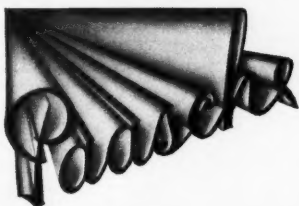
FLUID
presses
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this printer
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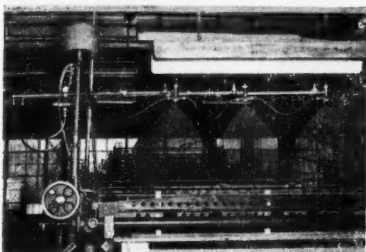
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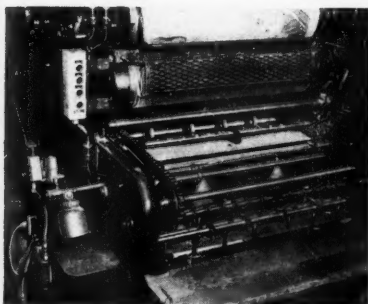


"NO ink OFFSET"

RECENT FLUID AND POWDER INSTALLATIONS



FLUID: One of the many large high-speed letter presses equipped with a Paasche 3-Head "No-Offset" Fluid Unit. Maximum press speeds without ink offset—for sheets up to 84" wide.



POWDER: Paasche 2-Head "No-Offset" Powder Unit, pressmounted on a litho press. This printer uses Powder on all his litho presses and Fluid on his letter presses—all offset prevented at full press speeds.



FLUID OR POWDER: With this Paasche Portable Electric Dual "No-Offset" Fluid and Powder Unit, this printer is able to prevent offset on litho, rotary and letter presses—either high or low delivery.

ELIMINATE THE GAMBLE OF INK OFFSET

Why experiment with untried equipment or methods—Since 1932 Paasche has pioneered the "NO ink OFFSET" Process and has proven beyond a question of a doubt that ink offset is best prevented through the use of the Paasche "NO ink OFFSET" Process.

OVER 16,000 PRESSES ARE NOW EQUIPPED WITH PAASCHE UNITS

Regardless of the process you select—Fluid or Powder, or a Combination of Fluid and Powder—You can be assured that Paasche will definitely stop ink offset and eliminate smudging — racking — ink doping, etc., more efficiently, more economically than any other method, on Any Type of Press, With Any Type of Ink or on any Type or quality of Printing Stock.

FAMOUS PRINTERS TELL US

"Paasche 'No-Offset' Powder Units lick the offset problem. Before installing Paasche, we had tried five other makes."

"Our Paasche 'No-Offset' Dual Combination Fluid and Powder Unit paid for itself in less than three weeks!"

"On those really difficult jobs, I always use Paasche—no fill-ins—no time lost on wash-ups—all offset positively prevented at full press speeds."

"Paasche has the most complete line, backed by more experience than any company we have ever dealt with."

"In printing quality color-work, the need for the right equipment is most essential. Paasche tops them all."

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Use the Paasche "NO ink OFFSET" Process. Use the process that is endorsed by thousands of the country's leading printing plants. Send for Bulletin NP8-50 and learn How to Stop Ink Offset.

Paasche Units available are Pressmounted Units — Portable Stand Units—or Electrically Operated Compressor Units.

Solutions and Powders are described in Bulletin NSP-1150.

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Paasche Airbrush Co.

1905 DIVERSEY PARKWAY

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For Items Not Advertised, Write THE INLAND PRINTER'S "Readers' Service"

133



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CHAMPION QUALITY PAPERS

Champion papers keep pace with every new development in press equipment . . . for a paper's press performance is more important than ever with today's new high-speed presses. Always specify Champion papers by name to get the best job possible.

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Hamilton Enamel
Falcon Enamel
Format Enamel
All Purpose Litho

CAST COATED PAPER

Kromekote Label
Kromekote Litho
Kromekote Cover
Kromekote Postcard
Kromekote Box Wrap
Kromekote Colorcast

DULL COATED BOOK

Dullafold Coated

UNCOATED BOOK

Garamond English Finish
Garamond Text (W.M.)
Golden Text Bible
Wedgwood Offset
(Reg. and Special Finishes)

BRISTOLS

Inventory Index
Canton Postcard Bristol

COATED COVER

Hingefold Coated Cover
Refold Coated Cover

BOND, MIMEOGRAPH

Ariel Bond
Scriptic Mimeograph

ENVELOPE PAPER

Radiant White Envelope
White Foldur Kraft Envelope
Suntan Kraft Envelope
Ne'er Tear Envelope
Colored Wave Envelope

TAG

Tuf-Tear Tag

COATED POSTCARD

Campaign Postcard

UNCOATED COVER

Cordwain Cover
Ariel Cover

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Champion Pressboard
Imitation Pressboard

PAPERIE

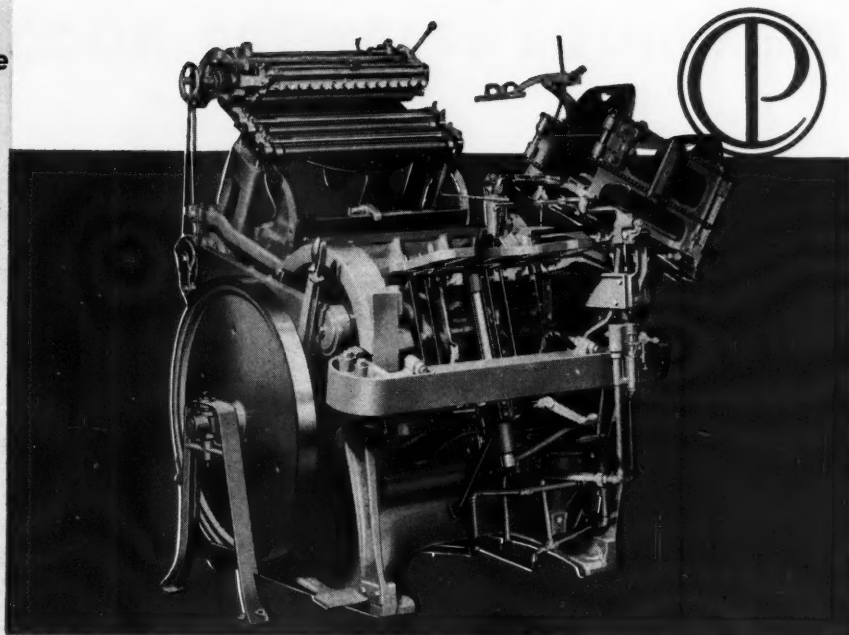
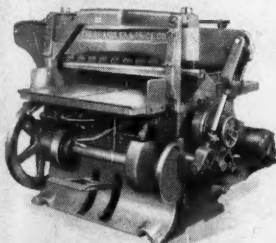
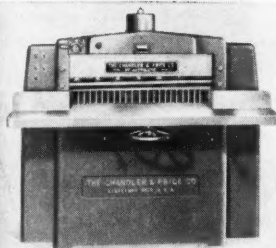
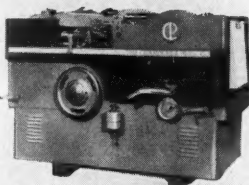
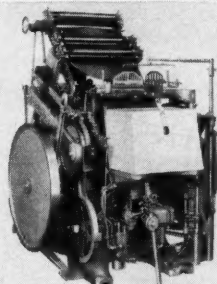
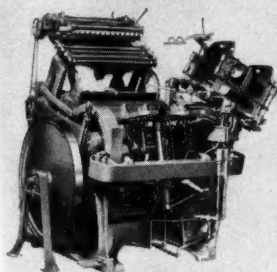
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(Embossed and Printed)

SPECIALS

Cigarette Cup Stock
Food Container Stock
Coffee Bag
Tablet Papers
Drawing Papers
Red Patch Stock
Stencil Board
Pattern Board
End Leaf Paper



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(and specialized)
operations with the**

**CHANDLER & PRICE
SUPER HEAVY DUTY
"Front End"
AUTOMATIC PRESS**

★ Truly automatic, including continuous feeding from hopper that permits loading while press is running (any stock from 13-lb. bond to heaviest cardboard, $3\frac{1}{4} \times 5$ " up to $15\frac{1}{16} \times 23\frac{1}{4}$ ") . . .

★ Sufficient impression strength for printing the heaviest forms, and for scoring, creasing, embossing and die-cutting . . . rectangular, round, irregular shapes, greeting cards, photomounts, cartons, book cases, and covers . . .

★ All operating controls (including ink fountain adjustments while press is running) reached from FRONT of press . . .

★ Printed sheet, form and platen in full view at all times—UP FRONT . . .

★ Delivery at FRONT, where pressman can easily check ink coverage or numbering machines (also makes slip-sheeting entirely practicable) . . .

★ Automatic throw-off of press if sheet fails to deliver . . .

THESE are a few of the features that make the Chandler & Price Super Heavy Duty $14\frac{1}{2} \times 22$ " Craftsman Automatic Press a superior producer—a press that makes regular printing and specialty printing highly profitable—a press that earns UP FRONT rank in today's finest printing plants.

Write for complete specifications.

THE CHANDLER & PRICE COMPANY
CLEVELAND, OHIO

MANUFACTURERS OF PRINTING MACHINERY FOR OVER 60 YEARS

When Writing These Advertisers, Please Mention THE INLAND PRINTER

...for outstanding letterheads
...for easy-to-file business forms

PRINT ON

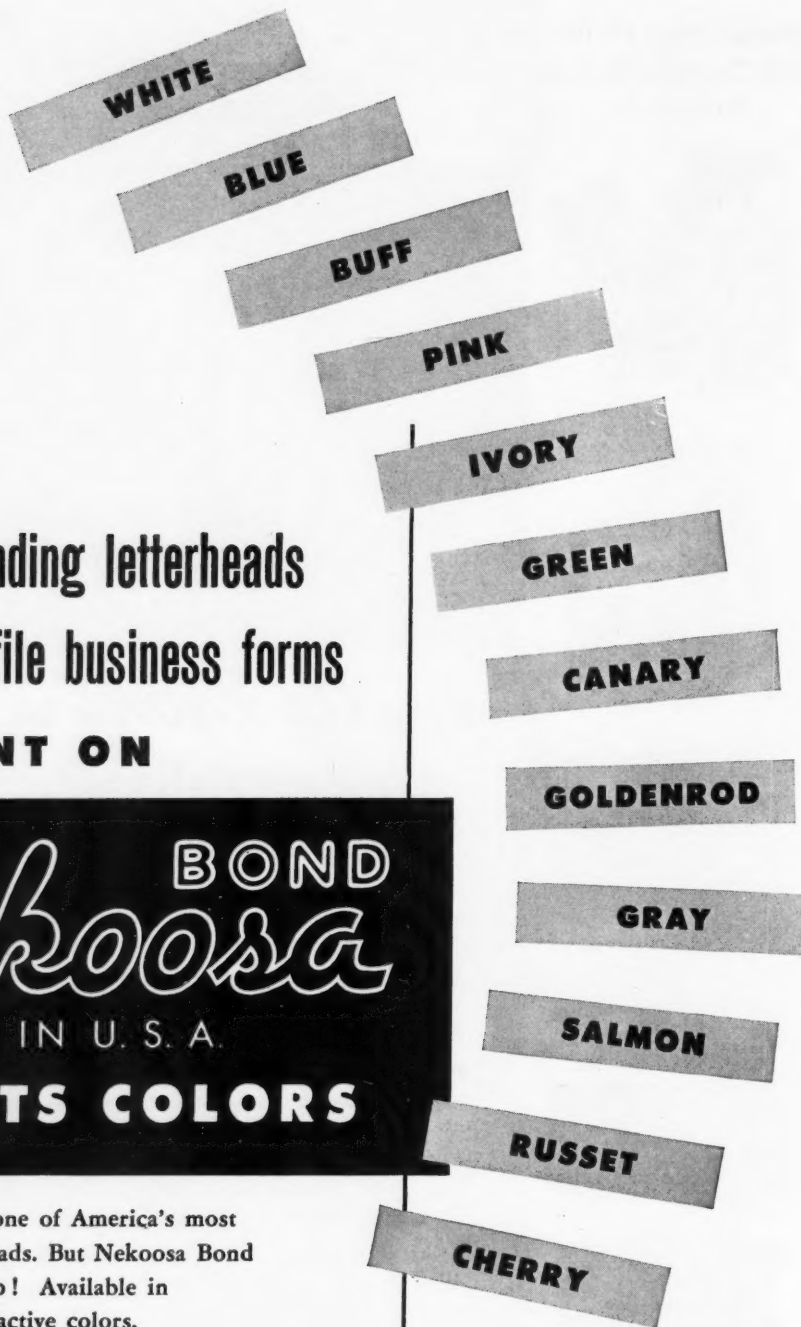
BOND
Nekoosa
MADE IN U.S.A.
IN ALL ITS COLORS

Nekoosa Bond is already one of America's most popular papers for letterheads. But Nekoosa Bond has so many *other* uses, too! Available in white and *eleven* other attractive colors, crisp, strong Nekoosa Bond is the perfect paper for all kinds of business forms. It readily adapts itself to the modern system of filing by color. Letterpress or offset, you can't print on a more versatile, more colorful paper!

NEKOOSA-EDWARDS PAPER COMPANY • PORT EDWARDS, WIS.

America does business on **NEKOOSA BOND**

Nationally Advertised in
THE SATURDAY EVENING POST • TIME • BUSINESS WEEK



Re

42-28 T
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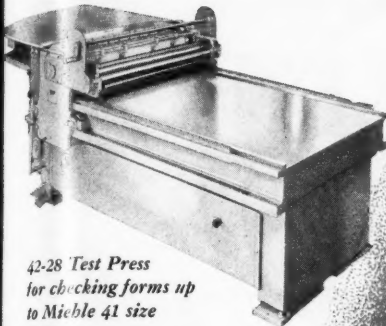
Vandercoo
an inex
band pro

Vandercoo
power pres

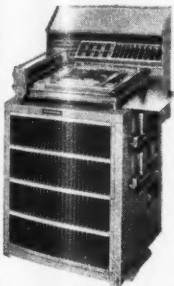
Vandercoo
adjustable

VAN
PREP
-C

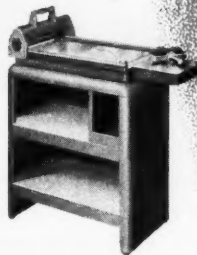
Reduce Your Costs . . . by increasing production with VANDERCOOK PRE-PRESS EQUIPMENT



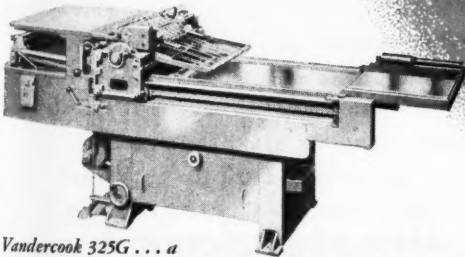
42-28 Test Press
for checking forms up
to Miehle 41 size



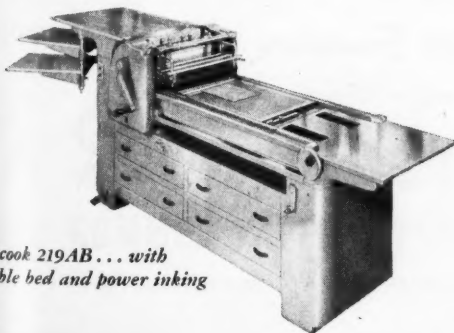
Vandercook 68
Makeup Gauge . . .
a precision device
for making up forms
more quickly and
accurately.



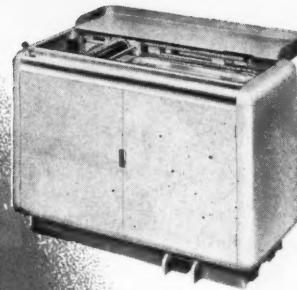
Vandercook 0 . . .
an inexpensive
hand proof press



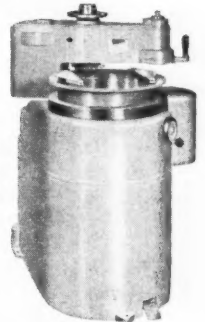
Vandercook 325G . . . a
power press for volume proofs up to 1000 per hour



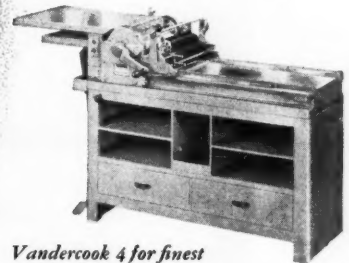
Vandercook 219AB . . . with
adjustable bed and power inking



Vandercook 23 . . .
a safe, high
speed electric
galley proof press
with capacity up
to 40 proofs per
minute



Vandercook
11 Block
Leveller



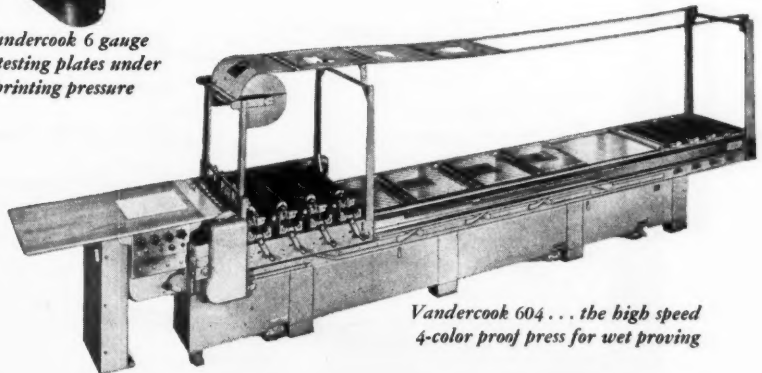
Vandercook 4 for finest
reproduction proofs



Vandercook 22-34 . . . a
power driven offset proof press



Vandercook 6 gauge
for testing plates under
printing pressure



Vandercook 604 . . . the high speed
4-color proof press for wet proving

Write . . . for a Vandercook catalog
showing Proof Presses, Test Presses,
Block Leveller, Type, Plate and
Slug Gauges, and other
Pre-Press Equipment



VANDERCOOK & SONS, INC. 900 North Kilpatrick Avenue, Chicago 51, Illinois

The Largest Producer of Proof Presses and other Pre-Press Equipment for Letterpress, Offset and Gravure



the perfect script

— another type face with

the Amsterdam Continental

touch of beauty!

*Look at the harmony of its design,
at the beautiful balance
between the freely swung capitals
and the restrained lower case.*

*Admire the continuous flow
of words written by a master hand!*

*Yet these types are as sturdy
as any foundry type roman;
they do not link and do not kern.*

*A true combination of modern inspired art
and practical usefulness.*

Cut and manufactured by

Typefoundry 'Amsterdam'

Stocked and distributed by

American Type Founders

Elizabeth B, New Jersey • Write for specimen sheets

IN CANADA: SEARS LIMITED

Set in Rondo and Rondo Bold. Printed from an electrotpe.

NOW THERE ARE
FIVE
 DENNISON
 SPECIALTY GUMMINGS



Now there's another name to add to your list of Dennison Specialty Gummings! It's the amazing new 8400 Line, the water-moistened gumming that sticks to moistureproof cellophane—bringing to *five* the number of special gumming available for adhesion to particularly resistant surfaces.

When a standard water-moistened gumming falls short of the adhesion you require, investigate these specialty gumming. You can be confident that you will find one suited to your own particular need . . . one backed by thorough laboratory and field testing to assure strong, lasting adhesion.

Dennison
 GUMMED PAPER DIVISION
 FRAMINGHAM, MASSACHUSETTS

1
700 LINE
 For adhesion to —
 Tin — Zinc
 Steel
 Nickel — Chrome
 Iron
 Copper
 Brass — Bronze

2
800 LINE
 For adhesion to —
 Lacquered surfaces, including
 Metallic coated
 Laminated foil

3
7100 LINE
 For adhesion to —
 Aluminum

4
8200 LINE
 For adhesion to —
 Varnished, lacquered, painted, printed surfaces
 Hard Rubber
 Bone
 Linoleum
 Bakelite
 Metallic papers
 All metals

5
AND THE NEW 8400 LINE
 For adhesion to —
 Moistureproof
 Cellophane
 Plastics
 Hard Rubber
 Linoleum
 Pliofilm*
 Cellulose Acetate*
 Greasy & Artificial
 Leather
 All processed surfaces
 All metals
 *Moistened with #205 moistening solution.



GUARANTEED Flat Gummed Papers

If you want a gummed sheet that will really stay flat, under any and all normal conditions, your search is ended. For McLaurin-Jones, who pioneered the flat-gummed field, continue to offer you a complete and versatile line embodying all the modern improvements that stem from ceaseless research. The range of even, uniform gummings, finishes, and colors embraces all varieties of applications and printing methods.

3 More Newsworthy Lines

Ware TONE

The mirror-finished marvel

And for metallics — the new line of famous

Old Tavern

Gold and Platinum give you new beauty
in printing results

WARE *Delayed Action* HEAT SEAL

For label work on a variety of new surfaces

MCLAURIN-JONES COMPANY

BROOKFIELD, MASSACHUSETTS

OFFICES: NEW YORK • CHICAGO • LOS ANGELES



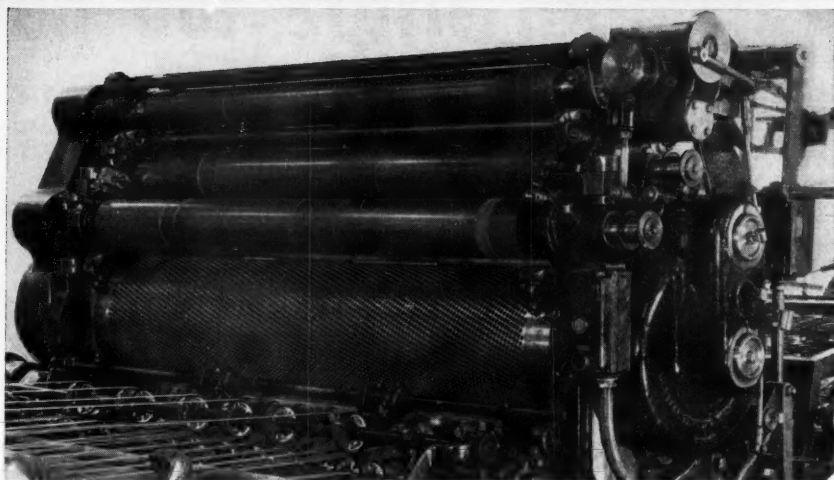
2

POPULAR DEVELOPMENTS BY NATION'S LEADING DESIGNERS AND BUILDERS OF SPECIAL PRINTING MACHINERY

1.

WESTERN THIRD OR FOURTH COLOR UNITS

NOW APPLY ON ALL
MIEHLE TWO-COLOR
FLAT BED PRESSES.



Get Three or Four Colors in One Run on Old or New Miehles

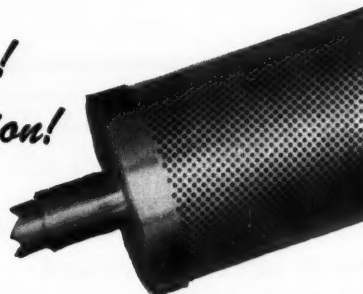
- One unit makes a 2-color Miehle a 3-color press
- A second unit makes it a 4-color machine
- Unit is installed as an integral part of the press
- It is complete in itself—giving great flexibility
- Handles 2, 3 or 4 colors on one pass thru press
- Proved in plants of leading specialty printers
- It will cut costs and boost production for you
- Write, wire or phone today for all the details

2.

WESTERN'S HONEY-COMB CYLINDERS

A PROVED AND
IMPROVED BASE FOR
BETTER PRINTING
ON CURVED PLATES

*More Solid Foundation!
Faster Press Preparation!
Hangs Plates Closer!*



- Uniform foundation gives plates proper support—prevents plate cracking
- Thousands of holes allow you to hang plates closer
- Register is improved—there is less paper wastage
- Permits much faster press preparation and better printing
- In many cases, we can honeycomb your old cylinders

WESTERN PRINTING MACHINERY CO.

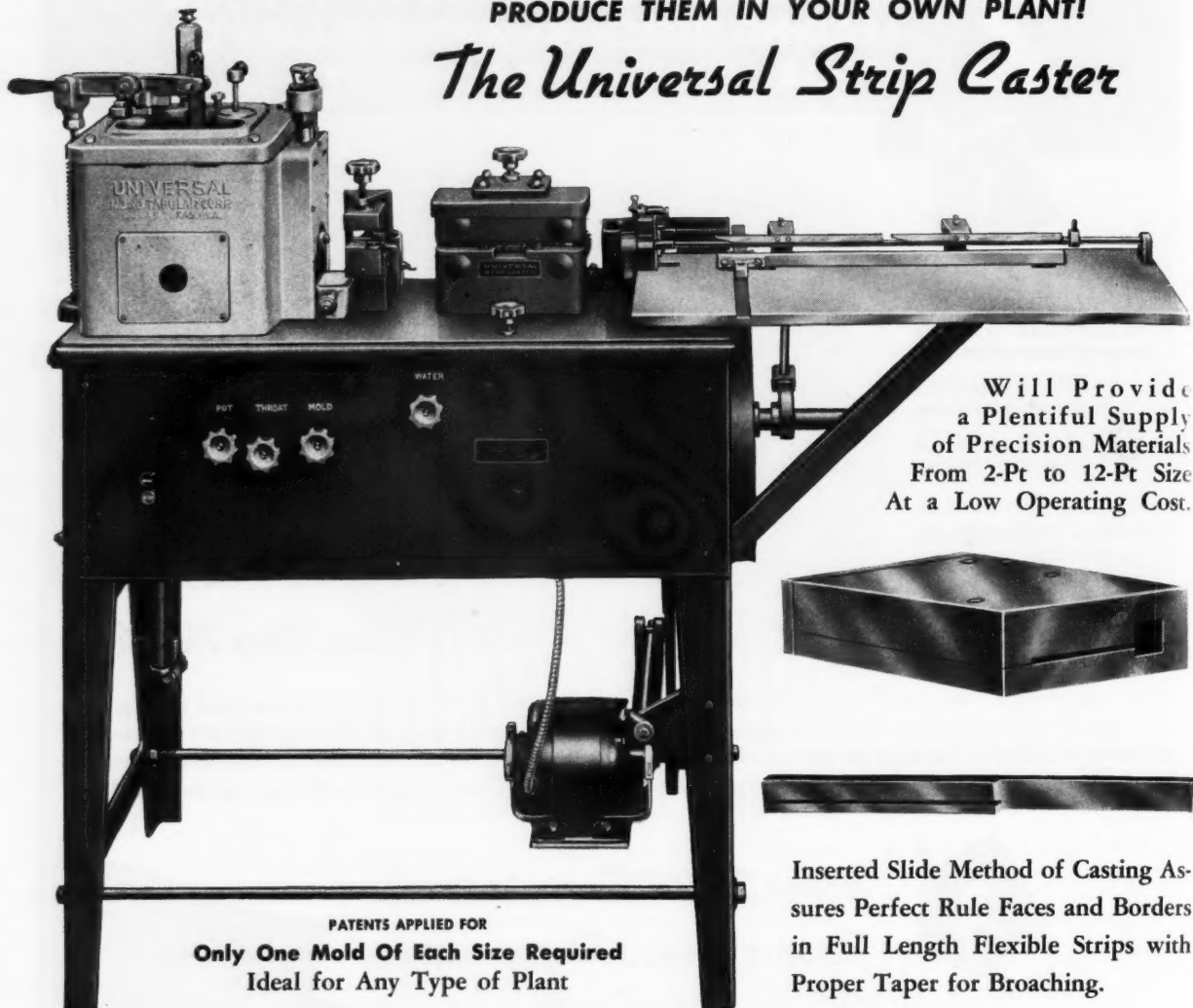
3519 N. Spaulding Ave., Phone: IRving 8-1207, Chicago 18, Ill.

DESIGNERS AND
BUILDERS OF SPECIAL
PRINTING PRESSES,
BOOK PRESSES
AND FOLDERS

RULES, LEADS and SLUGS?

PRODUCE THEM IN YOUR OWN PLANT!

The Universal Strip Caster



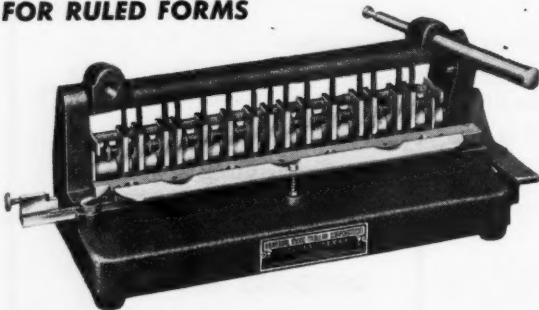
Will Provide
a Plentiful Supply
of Precision Materials
From 2-Pt to 12-Pt Size
At a Low Operating Cost.

PATENTS APPLIED FOR
Only One Mold Of Each Size Required
Ideal for Any Type of Plant

Inserted Slide Method of Casting As-
sures Perfect Rule Faces and Borders
in Full Length Flexible Strips with
Proper Taper for Broaching.

Another real profit producer!

HONIG MULTIPLE BROACH FOR RULED FORMS



PRINTERS: SAY:

"We saved 2½ hours composition time on our first job."
"We saved 20,000 press impressions on our first job."
"We are setting many of our forms two-up, cutting our impressions
in half."
"We saved three-fourths of our gathering by setting four-up."
"Our forms look better, cost less."
"Our broach paid for itself in the first three months."

**Quality Ruled Forms at Lower Cost
WITH THE HONIG MULTIPLE BROACH
YOU STEP AHEAD OF COMPETITION**

**Larger Profits Through Reduced Compo-
sition Time and Material Savings. Re-
duces Press Runs and Gathering.**



HONIG RULE CUTTER

Capacity 100 picas by nonpareils and points.

Write for
Particulars

UNIVERSAL MONO-TABULAR CORP.
DALLAS 1, 706 OLIVE STREET TEXAS

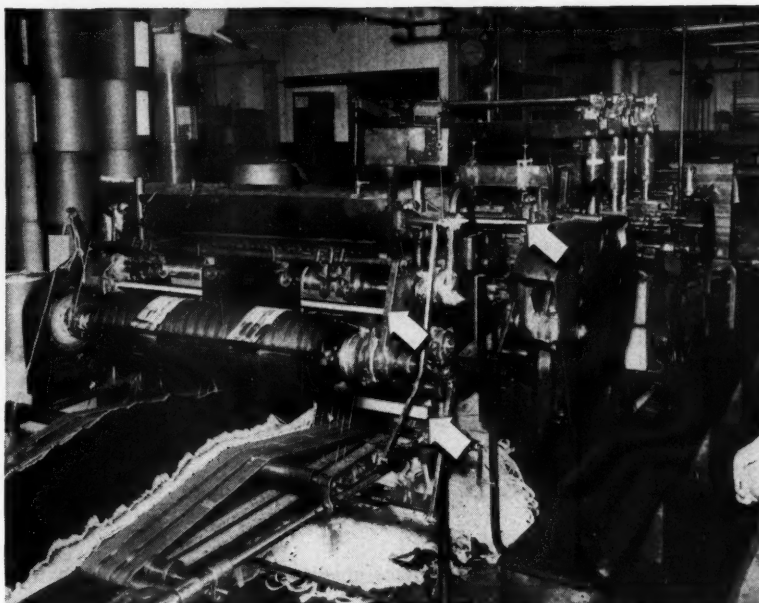
"Precision Equipment for
Particular Printers"

"IONOTRONS have solved our static problems

**...THEY ARE
FOOLPROOF,
TROUBLE-FREE,
FIREPROOF"**

"I'm very enthusiastic about the results obtained with Ionotron Static Eliminators. They have solved our static problems. They are foolproof, trouble-proof, fireproof, and simple to maintain. We are gradually replacing all of our other static eliminators with Ionotron Static Eliminators." So reports Henry Keebler, Maintenance Superintendent of the Autographic Register Company, Hoboken, N. J.

His company, manufacturer of continuous forms, already has Ionotrons on 10 of its 26 printing and processing machines. The majority of these machines run at high speeds and generate heavy charges of static electricity. Uncontrolled or incompletely eliminated, this static would cause jamming of forms, inaccurate printing, machine stoppages. The machines equipped with Ionotron Static Eliminators® run at high speeds, without any trouble due to static.



This New Era Carbon Processing Machine punches, cuts, perforates, tabs, and folds about 3500 carbon sheets per hour. The three Ionotrons which prevent static troubles on this machine have been in use for more than a year and a half—without maintenance or operating cost.

Ionotrons require no power connection. There are no accessories to replace. Ionotrons can't clog with paper chips and start fires. There's no contact between the Ionotron and the printed sheet, so there's no danger of smearing forms. Ionotrons are safe—there's no danger of electric shocks. The only maintenance required is an occasional wipe with a soft cloth.

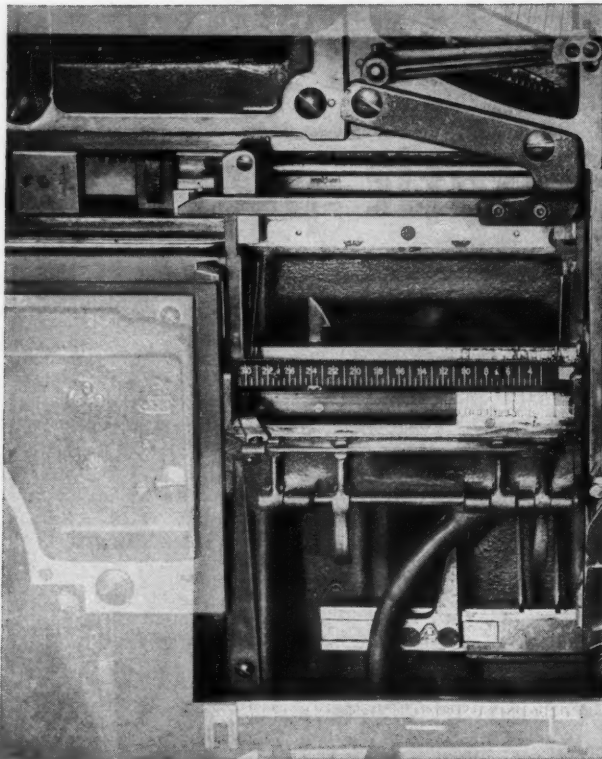
HOW IONOTRONS WORK—
Ionotron Static Eliminators, a

unique application of atomic energy, contain a self-activating source of continuous alpha radiation. This ionizes the air in the static trouble zone. The ionized air conducts the static harmlessly to ground. The static-removing effect of Ionotrons is continuous and permanent. They can be produced in the proper sizes to fit various types of printing equipment. There are no moving parts, nor operating costs.

WANT MORE INFORMATION? Along with complete information on the Ionotron, U. S. Radium has a simple questionnaire form ready to send you. Filled out and returned, it will permit us to tell whether your static problems can be solved with Ionotrons. Just write Dept. 910, U. S. Radium Corporation, 535 Pearl Street, New York 7, N. Y.

UNITED STATES RADIIUM CORPORATION, 535 Pearl Street, New York 7, N. Y.





A Fine Example of the

SIMPLICITY

and

ACCESSIBILITY

in the design of the

STAR QUADDER

... is the method of controlling the line of matrices in the Assembling Elevator and Delivery Slide!

This picture shows the Assembling Elevator ascending to the Delivery Slide.

Note how the short line remains supported, though the long finger remains always at the 30 pica measure on the Delivery Slide.

This is made possible by the matrix support rail of the STAR QUADDER Assembler Gate. A ratchet mechanism, designed to be practically wear-proof, permits the closing of the fingers on line during transfer — and their automatic return to position.

All parts of the STAR QUADDER Delivery Slide* are instantly accessible for adjustment when necessary, from the *front* of the machine.

*The STAR QUADDER Delivery Slide is applicable to Linotype and Intertype Machines equipped with other types of automatic spacers. It is a valuable time and labor saving device on any other machine when measures are changed frequently.

It will pay you to get full information about how the
STAR AUTOMATIC QUADDER
is applied to all linecasting machines

PRECISION
 TRADE ★ MARK

LINOTYPE PARTS COMPANY

Factory and Main Office
 SOUTH HACKENSACK, N. J.

INCORPORATED

Branch Office
 1327 BROADWAY, KANSAS CITY 6, MO.

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MOST IMPORTANT INGREDIENT OF A GOOD LABEL JOB . . .

flat as a pancake GUMMED PAPER

Just good paper, good glue and plenty of it.
Its fine qualities will speed up
your work . . . IT STAYS FLAT!

The **BROWN-BRIDGE MILLS, Inc., Troy, Ohio** offers gummed papers for all
regular and special applications in a complete range of colors and finishes. Consult the Brown-
Bridge distributor in your territory. He's listed below.



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Henley Paper Co.—Biltmore Station
ATLANTA, GA.
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Wyant & Sons Paper Co.—121 Courtland St.
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Whitaker Paper Co.—1809 First Ave. N.
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Equity Paper Co.—640 Knowlton St.
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Triangle Card & Paper Co.—174 Fulton St.
BUFFALO, N. Y.
Franklin-Cowan Paper Co.—141 Swan St.
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BUTTE, MONT.
Ward-Thompson Paper Co.—820 Utah Avenue
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Herrington Paper Co.
CEDAR RAPIDS, IOWA
Evans Paper Co.—318 First St. S.E.
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Caskie Paper Co., Inc.—308 E. 4th St.
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The Johnston Paper Co.—2060 Reading Road
The Whitaker Paper Co.—Sixth & Lock Sts.
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Sarlie Co., Inc., John F.—30 Hudson St.
Uptown Paper & Envelope Corp.—241 West 64th St.
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Western Newspaper Union—Second & Harvey Sts.
OMAHA, NEBRASKA
Western Newspaper Union—621 S. 15th St.
OSHKOSH, WIS.
Oshkosh Paper Co.—58 Algoma Blvd.

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De Hater Paper Co.—120 S. Washington St.
PHILADELPHIA, PA.
Schuylkill Paper Co.—116 South 7th St.
Whiting-Patterson Co., Inc.—4545 Tacony St.
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PORTLAND, OREGON
Fraser Paper Co.—25 N. W. Front Ave.
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Richmond Paper Co., Inc.—201 Governor St.
Virginia Paper Co., Inc.—140 Virginia St.
ROCHESTER, N. Y.
Dybert & Stone—36 St. Paul
Genesee Valley Paper Co., Inc.—453 Main St. W.
ST. LOUIS, MO.
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Central States Paper & Bag Co.—5200 Natural
Bridge
Pioneer Paper Co.—2311 Chestnut St.
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Martin F. Falk Paper Co.—333 E. Seventh St.
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Western Newspaper Union—126 Pierpont Ave.
SAN ANTONIO, TEX.
A. C. Ross & Son Paper Co.—406 Dolorosa St.
SAN FRANCISCO, CAL.
Neumann Paper Co.—915 Battery St.
Wilson-Rich Paper Co.—60 Federal St.
SEATTLE, WASH.
Kaplan Paper Co.—3rd & Jackson Sts.
SHREVEPORT, LA.
Western Newspaper Union—201 Crockett St.
SIOUX CITY, IA.
Western Newspaper Union—5th & Virginia St.
TAMPA, FLA.
E. C. Palmer & Co., Ltd.—302 N. Willow St.
TERRE HAUTE, IND.
Mid-States Paper Co., Inc.—517 N. 13th St.
TOLEDO, OHIO
Paper Merchants, Inc.—607 Michigan St.
WASHINGTON, D. C.
Virginia Paper Co.—933 "D" St., N.W.
WICHITA, KANSAS
Southwest Paper Co.—140 N. Mosley St.

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Clark Bros. & Co., Ltd.—10262 107th St.
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Clark Bros. & Co., Ltd.—P. O. Box 1339
TORONTO, ONT.
Whyte-Hooke Papers Ltd.—100 Claremont St
WINNIPEG, MAN.
Clark Bros. & Co., Ltd.—48-50 Charlotte St.
FOREIGN AGENT
Sharp Export Ltd.—220 Fifth Ave., New York
City, N. Y.

*New distributors are added from time to time. If
you do not find one in your locality listed here,
write us for current information.

"flat-as-a-pancake" proofing sample kits are available at your distributors

Please Mention THE INLAND PRINTER When Writing To Advertisers

**COMBINES THE OUTSTANDING ADVANCES IN THE INDUSTRY
OVER 60 YEARS ... WITH UP-TO-THE-MINUTE ENGINEERING TECHNIQUE**

It's New!

ONE PIECE ALLOY STEEL CASE & BLOCK

HARDENED RATCHETS AND PAWLS

PRECISION ENGRAVED WHEELS

HIGH SPEED WHEEL LOCK

PICA SIZE CASE

MADE WITH WATCH-LIKE ACCURACY

GEAR DRIVE
no pins ...
no lost motion

BULL DOG
Roberts

PRECISION

- GEAR DRIVEN — no pins to wear — no lost motion
- HIGH-SPEED WHEEL LOCK — efficiency increases with speed
- PRECISION MANUFACTURE — interchangeable parts
- PERFECT FIGURES — held to rigid government standards

QUALITY

Roberts "BULLDOG" lock-wheel numbering machine is quality-built by experienced master craftsmen. It incorporates the most important technical advancements in the industry to produce the world's outstanding machine of its type.

To make sure the ink dries—
**INSIST ON...
DUALL DRIER**

A good drier, properly used, can be the most profitable stock in your pressroom. Duall Drier is the best all-purpose drier formulated.

An ingenious process of compounding enables us to produce this combination type drier with absolute uniformity between batches. Duall will not alter the body or other characteristics of the ink with which it is mixed. Inks used with the addition of Duall will not catch bronze. In most cases, a half ounce to the pound of ink assures excellent drying.

To find out how good Duall really is, order a can now... put it to work for you.

Stocked in 1, 5, 10 lb. cans and kits for immediate shipment.

GAETJENS, BERGER & WIRTH, INC.
LETTERPRESS, LITHOGRAPHIC AND DIE-STAMPING INKS
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CHEMCO CONTROLLED TEMPERATURE DARKROOM SINK

It makes no difference whether it's summer or winter! It makes no difference whether it's hot or cold outside or in the darkroom. It makes no difference whether your incoming water supply is warm or cold.

A flick of a switch and this Chemco unit is in operation. Set the dial to the temperature desired . . . and that's exactly the water temperature (plus or minus $\frac{1}{2}^{\circ}$ F) you'll get, fast!

The Chemco Controlled Temperature Darkroom Sink (Model 910) offers much more than unequalled control:

ECONOMY Counterflow Heat Exchanger, using drain water, reduces cooling and heating loads to half!

EFFICIENCY Cools 40 gallons per hour from 85°F to 60°F and heats 40 gallons per hour from 40°F to 75°F .

CONVENIENCE Swirl jets keep sink water in constant motion to prevent stratification . . . single dial control of heater-cooler unit prevents simultaneous operation . . . ample storage space . . . removable center wash tray has separate drain.

LONG LIFE Entirely corrosion-proof with Stainless Steel working surfaces, splashboard and trays. (Stainless steel processing trays are extra.) Cabinet is aluminum and aluminum covered construction finished with Chemco Green Lacquer.

THERE ARE NUMEROUS IMPORTANT ADVANTAGES EMBODIED IN THIS CHEMCO UNIT . . . BE SURE TO LEARN ALL THE FACTS!



Chemco Controlled Temperature Darkroom Sink Model 910

Chemco Controlled Temperature Darkroom Sink Model 911 is identical to Model 910, but without the heater-cooler unit. Instead, it is equipped with pressure equalized thermostatic mixing valve, and is for use where cool (65°F or less) water is available the year round.



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FACTORY AND GENERAL OFFICES GLEN COVE, N. Y.

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IP-12

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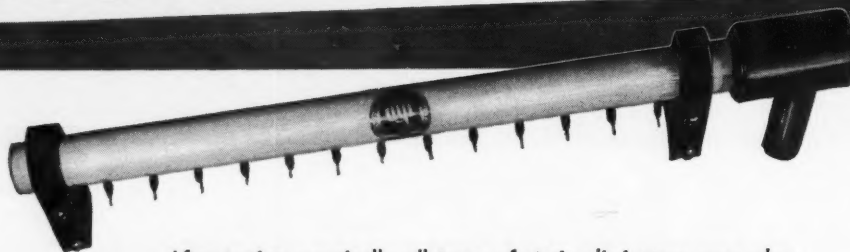
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* "We have tested practically all of the various types of static eliminators, not only in our own factory but also while working with various customers in their factories, and we have no hesitation in stating that the Oxy Neutralizer Bar is the most efficient static eliminator with which we have had any experience. Therefore, we are recommending your equipment wherever we encounter static problems."

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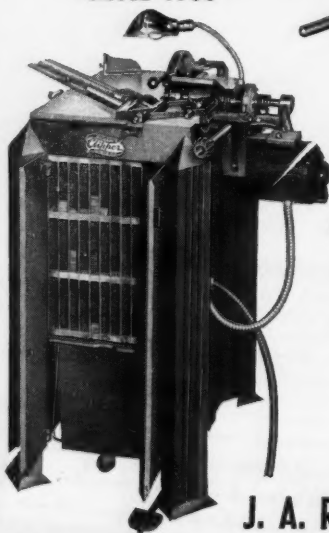
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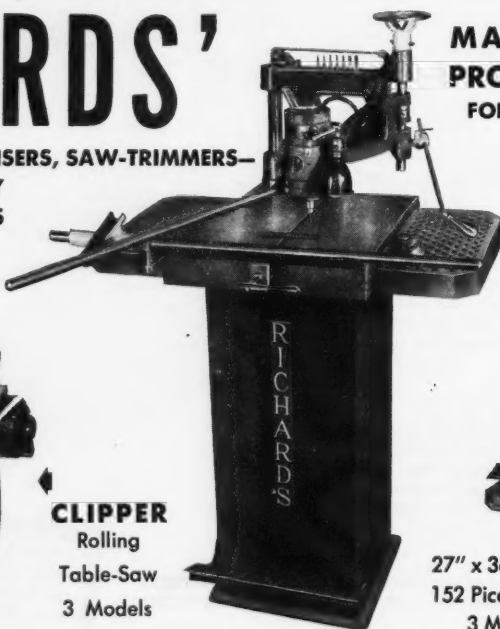
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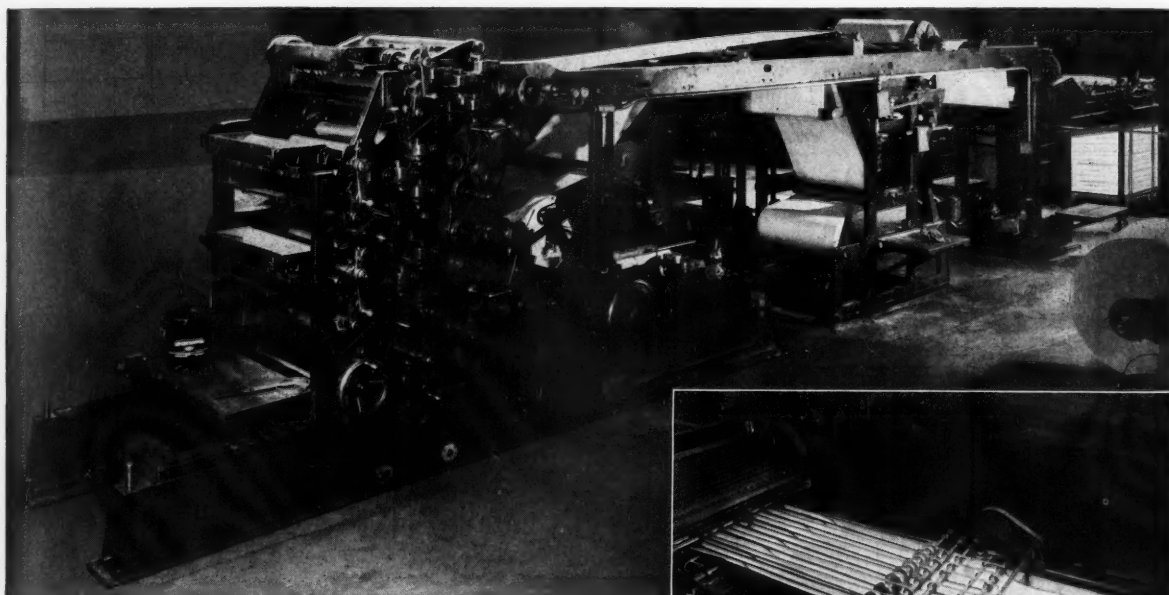
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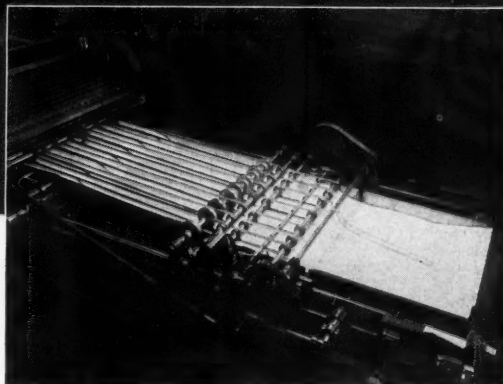
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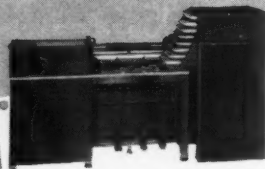
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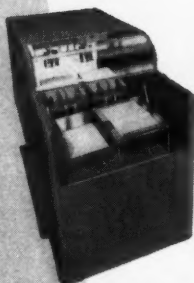
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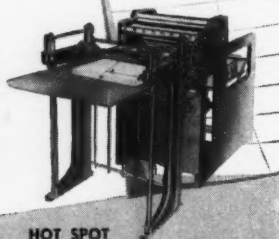
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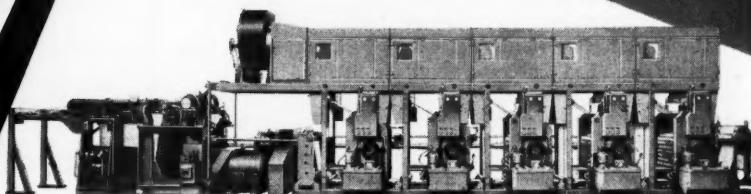
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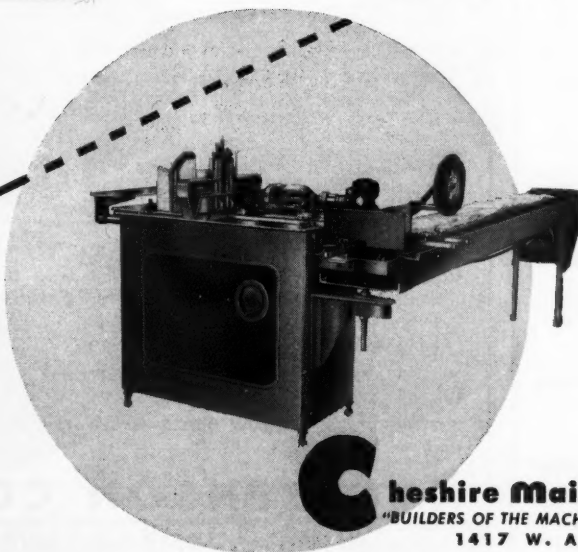
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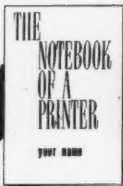
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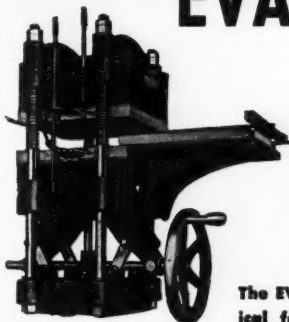
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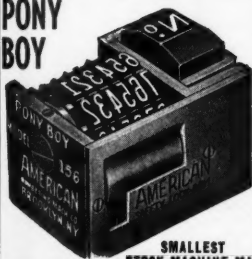
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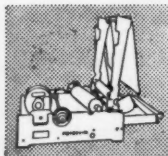
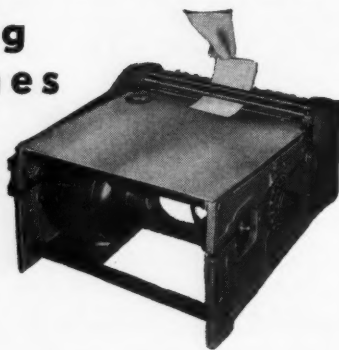
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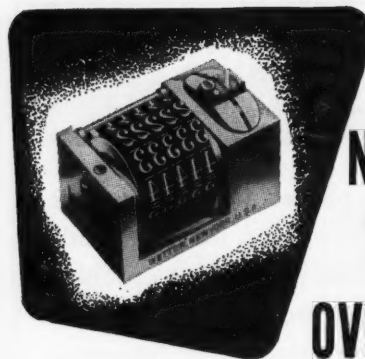
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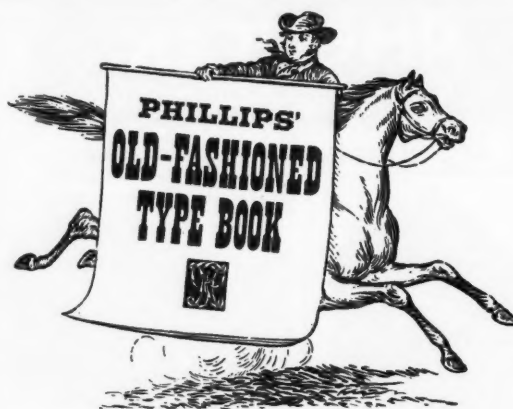
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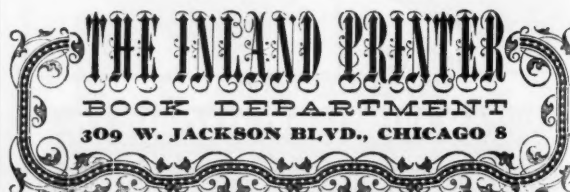
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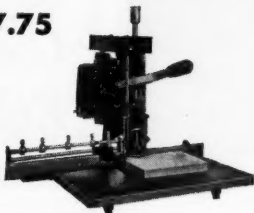
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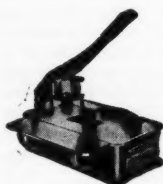
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Comparatively short period in
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Excellent buy, as is erected on
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FOR SALE (continued)



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Presses, folding machines, routers,
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(Continued on next page)

Classified Buyers' Guide (continued)
FOR SALE (continued)

FOR SALE

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Rowe Continuous Trimmer

Details on request

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Model 8-42 cm Linotype
Model F2 Intertype Mixer
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54" Seybold 20th Century Cutter,
autoclamp, power back gauge
Webendorfer Offset Press, 22x29
Potter Offset, 34x44, Dexter
Suction Feeder, high pile del.
Harris 57L, 36x48, high pile del.
Seybold Dayton 3-knife trimmer
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Machine
Dexter 121 quad Folder, 41x62
with perforator
Model B Cleveland Folder,
continuous or pile feeder

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ERNEST PAYNE CORP.
82 BECKMAN STREET • NEW YORK 7, N. Y.
TELEPHONE BECKMAN 3-1791

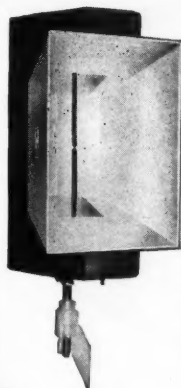
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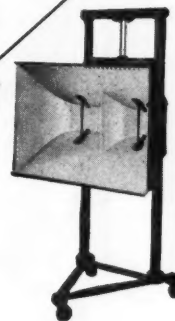


B-1C CONSTANTARC

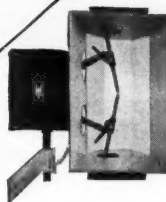
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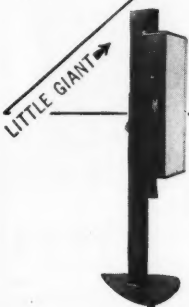


B-16 PRINTER



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NONSPOT reflectors insure even light distribution. Lamps sturdily constructed and easy to handle.



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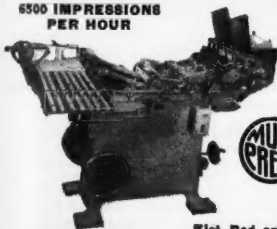
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FOR SALE (continued)

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Classified Buyers' Guide (continued)

HELP WANTED (continued)

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For aligning heavy board to
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INK CONDITIONER

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INK CONDITIONER

600
INK CONDITIONER

YOUR ink troubles vanish when you maintain your inks at printing peak with Central's famous ink conditioners—they improve printing qualities. GLAZCOTE, a protective ink conditioner, provides a tough, scratchproof finish that resists abrasion. Add it according to simple directions. Assure customer satisfaction with this low-cost, job-tested protection. A little does a lot!

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By John Reed. A text based upon fundamentals and daily pressroom and bindery practice. Shows printed sheet and stone layouts, proper makeup, lineup, lockup stunts, bookbinding operations. Machine folds on Anderson High Speed, Dexter, Brown, Cleveland, Chambers, Liberty, and Baum folders. 91 illustrations; 4½ by 6½.

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Craftsman Standard Line-up and Register Table. Available in five sizes, with working surface of table 28"x39", 39"x51", 46"x66", 51"x76", and 62"x84".

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**Classified Buyers' Guide (continued)
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Classified Buyers' Guide (continued)

SITUATIONS WANTED (continued)

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(Continued on next page)

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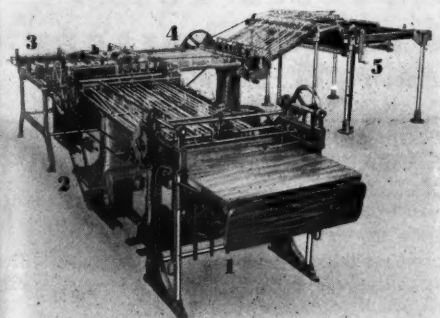
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Classified Buyers' Guide (continued)

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protection that increases
printing quality and production

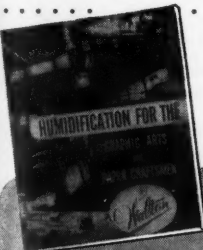
Walton Humidifiers eliminate pressroom slowdowns due to static and poor register caused by curled stock. Walton solves these cost-raising problems by correcting improper humidity conditions — the recognized cause of these difficulties. With Walton Humidifiers on the job in your plant, proper humidity is maintained at all times. Walton gives you all the important advantages of expensive, complex air conditioning at a fraction of the cost. Check on Walton, now, for proper paper conditioning in your plant . . . resulting in better printing, and faster production at lower cost!

*You saw them
at the Show*

Improve quality and quantity of production
by conditioning the air to condition your paper
with low cost, high efficiency simplified systems
that put an end to dry air troubles. Ask Walton
for all the facts, now!

Write for "HUMIDIFICATION FOR THE GRAPHIC ARTS AND PAPER CRAFTSMEN"

The completely new illustrated booklet that explains the low cost, simply installed Walton method that improves your production by protecting your stock against humidity changes.



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INCORPORATED
IRVINGTON 11, NEW JERSEY

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THE INLAND PRINTER

FIRST PUBLICATION OF ALL THE PRINTING INDUSTRY

VOLUME 126 • DECEMBER, 1950 • NUMBER 3

J. L. Frazier, Editor and Manager George Eaton, Associate Editor
H. D. Bump, Assistant Editor Randal Savery, Eastern Editor
Cecil Hancock, Production Manager Lloyd C. Gossman, Circulation Manager

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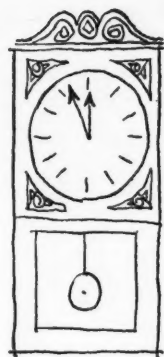
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another case
 where good make-ready
 is important



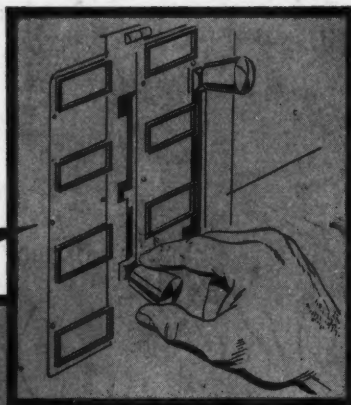
Merry Christmas

FROM CROMWELL TYMPAN

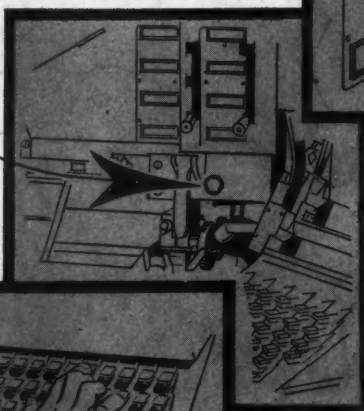
THE CROMWELL PAPER COMPANY • CHICAGO 32, ILLINOIS

How Intertype takes hard work out of typesetting

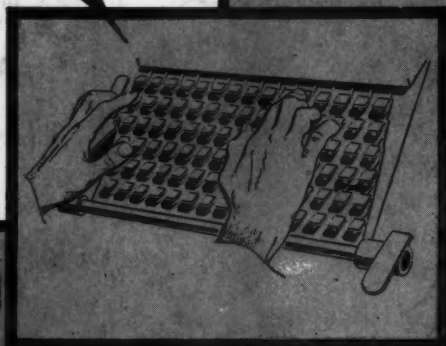
TO HELP the operator do his job more easily, Intertype® MIXER Line Composing Machines offer a variety of conveniences. Each one is designed to cut down fatigue, to minimize errors. . . . At the end of the day, these and other progressive Intertype features will pay off in better typesetting . . . and more of it.



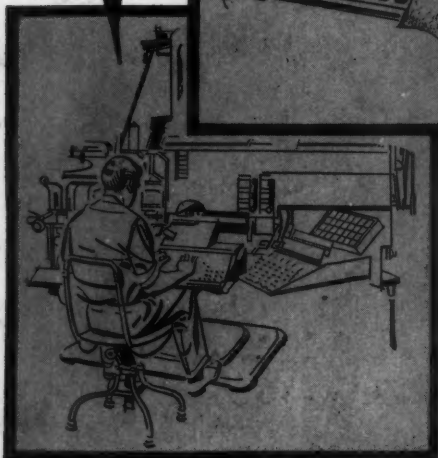
MOTOR INSTEAD OF MUSCLE—With the Intertype No-turn Autoshift, changes from one magazine position to another are made *automatically*. No need to turn a crank. . . . The operator simply sets the control knob and the motor does the rest.



MAT TRAFFIC LIGHT—The eye-level Distributor Signal Light tells the operator *at a glance* whether or not all matrices have cleared the distributor.



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